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An improved Hummers method for eco-friendly synthesis of graphene oxide

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1541	Nano graphene oxide: a novel carrier for oral delivery of flavonoids. 2014 , 123, 331-8		64
1540	A high-performance platinum electrocatalyst loaded on a graphene hydrogel for high-rate methanol oxidation. 2014 , 16, 10142-8		27
1539	Regulation of photoluminescence properties of graphene quantum dots via hydrothermal treatment. 2014 , 16, 19011-6		43
1538	Effects of processing and material parameters on synthesis of monolayer ultralarge graphene oxide sheets. <i>Carbon</i> , 2014 , 77, 244-254	10.4	51
1537	Synthesis and photoelectric properties of visible sensitive SnS2-linked graphene composites. 2014 , 255, 613-622		12
1536	Three-dimensional self-assembled graphene oxide/enzyme in the presence of copper phosphate. 2015 , 1, 045101		6
1535	- Chemical Functionalization as an Approach for the Creation of Arrays of Graphene Quantum Dots Embedded in Dielectric Matrix. 2015 , 456-479		3
1534	Enhancement of humidity sensitivity of graphene through functionalization with polyethylenimine. 2015 , 107, 134102		24
1533	Thermal kinetics and thermo-mechanical properties of graphene integrated fluoroelastomer. 2015 , 53, 1691-1700		6

(2015-2015)

1532	Influence of a graphene oxide additive and the conditions of membrane formation on the morphology and separative properties of poly(vinylidene fluoride) membranes. 2015 , 132, n/a-n/a	13
1531	Synthesis of Graphene Oxide Nanosheets via Modified Hummers Method and Its Physicochemical Properties. 2015 , 74,	17
1530	Synthesis, Structure, and Characterizations. 2015 , 1-28	5
1529	Green preparation of reduced graphene oxide using a natural reducing agent. 2015 , 41, 9505-9513	43
1528	Measuring Synthesis Yield in Graphene Oxide Synthesis by Modified Hummers Method. 2015 , 23, 755-759	20
1527	Solvothermal synthesis and electrical properties of rGO/MxWO3 (M=Na, K) nanocomposites. 2015 , 30, A167-A171	3
1526	Preparation and tribological properties of organically modified graphite oxide in liquid paraffin at ultra-low concentrations. 2015 , 5, 90525-90530	18
1525	Enhanced thermal properties for epoxy composites with a three-dimensional graphene oxide filler. 2015 , 16, 2617-2626	20
1524	A high-performance three-dimensional Nille layered double hydroxide/graphene electrode for water oxidation. 2015 , 3, 6921-6928	249
1523	Improving dielectric properties of poly(vinylidene fluoride) composites: effects of surface functionalization of exfoliated graphene. 2015 , 29, 678-690	17
1522	Physicochemical properties of hybrid graphenelead sulfide quantum dots prepared by supercritical ethanol. 2015 , 17, 1	34
1521	Dual-protection of a graphene-sulfur composite by a compact graphene skin and an atomic layer deposited oxide coating for a lithium-sulfur battery. 2015 , 7, 5292-8	96
1520	High-yield production of highly conductive graphene via reversible covalent chemistry. 2015 , 51, 2806-9	23
1519	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. 2015 , 7, 6999-7021	106
1518	The influence of three different intercalation techniques on the microstructure of exfoliated graphite. <i>Carbon</i> , 2015 , 88, 173-184	14
1517	A Review: Synthesis Methods of Graphene and its Application in Supercapacitor Devices. 2015 , 1109, 40-44	5
1516	Graphene Oxide Nanocomposite Incorporated Poly(ether imide) Mixed Matrix Membranes for in Vitro Evaluation of Its Efficacy in Blood Purification Applications. 2015 , 54, 7899-7913	35
1515	Graphene/MxWO3 (M = Na, K) nanohybrids with excellent electrical properties. Carbon, 2015 , 94, 309-31 $_{\odot.4}$	14

1514	Nanoplasmonics, Nano-Optics, Nanocomposites, and Surface Studies. 2015 ,	2
1513	Porphyrin-based graphene oxide frameworks with ultra-large d-spacings for the electrocatalyzation of oxygen reduction reaction. 2015 , 17, 19538-45	32
1512	Graphene oxide nanoparticle attachment and its toxicity on living lung epithelial cells. 2015 , 5, 59447-59457	6
1511	Controlling the cooperative self-assembly of graphene oxide quantum dots in aqueous solutions. 2015 , 5, 57425-57432	27
1510	Synthesis of Reduced Graphene Oxide (rGO)/Ni Composite by a Combination of Marcanoll and Microwave Assisted Reduction Methods. 2015 , 1112, 290-293	5
1509	Fabrication and characterization of anti-fouling and anti-bacterial Ag-loaded graphene oxide/polyethersulfone mixed matrix membrane. 2015 , 30, 342-352	93
1508	A new facile route for synthesizing of graphene oxide using mixture of sulfuricBitricphosphoric acids as intercalating agent. 2015 , 73, 235-241	37
1507	Facile gamma radiolytic methodology for TiO2-rGO synthesis: Effect on photo-catalytic H2 evolution. 2015 , 40, 5815-5823	29
1506	A graphene wrapped hair-derived carbon/sulfur composite for lithiumBulfur batteries. 2015, 3, 9609-9615	96
1505	Large-scale preparation of graphene by high temperature insertion of hydrogen into graphite. 2015 , 7, 11310-20	102
1504	Size Fractionation of Graphene Oxide Sheets via Filtration through Track-Etched Membranes. 2015 , 27, 3654-60	126
1503	Bulk synthesis of highly conducting graphene oxide with long range ordering. 2015 , 5, 35893-35898	35
1502	FeCo2O4/hollow graphene spheres hybrid with enhanced electrocatalytic activities for oxygen reduction and oxygen evolution reaction. <i>Carbon</i> , 2015 , 92, 74-83	113
1501	Potterylof Porous Graphene Materials. 2015, 1, 1500004	10
1500	Liquid crystal graphene oxide with different layers: fabrication, characterization and applications. 2015 , 5, 94809-94813	3
1499	Sulfur doped graphene/polystyrene nanocomposites for electromagnetic interference shielding. 2015 , 133, 1267-1275	98
1498	Dispersion and re-agglomeration of graphite nanoplates in polypropylene melts under controlled flow conditions. 2015 , 78, 143-151	29
1497	Facile synthesis of submillimeter sized graphene oxide by a novel method. 2015 , 5, 73737-73741	8

(2016-2015)

1496	electrooxidation of ethylene glycol. 2015 , 40, 11960-11967	16
1495	Preparation and Characteristics of Graphene Oxide from the Biomass Carbon Material Using Fir Powder as Precursor. 2015 , 23, 961-967	9
1494	Fabrication of efficient visible light activated CuB25graphene ternary composite for photocatalytic degradation of methyl blue. 2015 , 356, 707-718	50
1493	Spray pyrolysis of graphene oxide for field-effect transistor biosensor application. 2015 ,	2
1492	Preparation and characterization of exfoliated graphene oxidell-cystine as an effective adsorbent of Hg(II) adsorption. 2015 , 5, 6294-6304	57
1491	Water-mediated modulation of TiO2 decorated with graphene for photocatalytic degradation of trichloroethylene. 2015 , 15, 144-148	14
1490	High-yield preparation of graphene oxide from small graphite flakes via an improved Hummers method with a simple purification process. <i>Carbon</i> , 2015 , 81, 826-834	337
1489	Synergy of oxygen and a piranha solution for eco-friendly production of highly conductive graphene dispersions. 2015 , 17, 869-881	18
1488	Amphiphilic carbonaceous material-based hierarchical porous carbon aerogels for supercapacitors. 2015 , 19, 619-627	9
1487	Microstructures and Properties of Graphene-Cu/Al Composite Prepared by a Novel Process Through Clad Forming and Improving Wettability with Copper. 2015 , 17, 663-668	34
1486	Scalable production of graphene via wet chemistry: progress and challenges. 2015 , 18, 73-78	209
1485	. 2016,	66
1484	Controllable Electrochemical Synthesis of Reduced Graphene Oxide Thin-Film Constructed as Efficient Photoanode in Dye-Sensitized Solar Cells. 2016 , 9,	14
1483	Flexible Ru/Graphene Aerogel with Switchable Surface Chemistry: Highly Efficient Catalyst for Room-Temperature CO Oxidation. 2016 , 3, 1500711	12
1482	A reduced graphene oxide/SnO2/polyaniline nanocomposite for the anode material of Li-ion batteries. 2016 , 294, 6-14	14
1481	Highly transparent superhydrophilic graphene oxide coating for antifogging. 2016 , 182, 372-375	29
1480	Modification of pristine multiwalled carbon nanotube by grafting with poly(methyl methacrylate) using benzoyl peroxide initiator. 2016 , 133, n/a-n/a	
1479	High performance free-standing films by layer-by-layer assembly of graphene flakes and ribbons with natural polymers. 2016 , 4, 7718-7730	12

1478	Graphene-Based Materials in Biosensing, Bioimaging, and Therapeutics. 2016 , 35-61	3
1477	Graphene-based Materials in Health and Environment. 2016 ,	2
1476	Preparation of graphene oxide by cyanuric chloride as an effective and non-corrosive oxidizing agent. 2016 , 6, 115055-115057	4
1475	Effect of sulfonated graphene oxide on the performance enhancement of acidBase composite membranes for direct methanol fuel cells. 2016 , 6, 51599-51608	43
1474	Modifications in development of graphene oxide synthetic routes. 2016 , 294, 458-477	54
1473	Chitosan-functionalized graphene oxide: A novel adsorbent an efficient adsorption of arsenic from aqueous solution. 2016 , 4, 1698-1713	155
1472	Sprayed polyaniline layer onto chemically reduced graphene oxide as electrode for high performance supercapacitor. 2016 , 217, 237-243	24
1471	Design of Novel Graphene Materials as a Support for Palladium Nanoparticles: Highly Active Catalysts towards Ethanol Electrooxidation. 2016 , 203, 144-153	36
1470	Microwave-induced hierarchical iron-carbon nanotubes nanostructures anchored on polypyrrole/graphene oxide-grafted woven Kevlar fiber. 2016 , 129, 137-145	27
1469	The application of magnetic nano graphene oxide in determination of methamphetamine by high performance liquid chromatography of urine samples. 2016 , 13, 1471-1480	10
1468	Comparative study of synthesis and reduction methods for graphene oxide. 2016 , 116, 153-161	78
1467	A simple and mild chemical oxidation route to high-purity nano-graphene oxide. <i>Carbon</i> , 2016 , 106, 56-63 _{O.4}	23
1466	Low-voltage carbon films deposition by electro-exfoliation of graphite into graphene oxide. 2016 , 6, 84194-84199	3
1465	Synthesis of graphene oxide sheets with controlled sizes from sieved graphite flakes. <i>Carbon</i> , 2016 , 110, 34-40	58
1464	Synthesis of Partially Reduced Graphene Oxide/Silver Nanocomposite and Its Inhibitive Action on Pathogenic Fungi Grown Under Ambient Conditions. 2016 , 1, 4235-4245	18
1463	Challenges of Industrial-Scale Graphene Oxide Production. 2016 , 410-431	12
1462	Palladium Nanoparticles Supported on 3D-Graphene Nanosheets for Oxygen Reduction Reactions in Alkaline Media. 2016 , 72, 39-47	5
1461	Cloud cap-like, hierarchically porous carbon derived from mushroom as an excellent host cathode for high performance lithium-sulfur batteries. 2016 , 212, 1021-1030	54

(2016-2016)

1460	Catalytic reduction of 4-nitrophenol over Ni-Pd nanodimers supported on nitrogen-doped reduced graphene oxide. 2016 , 320, 96-104	93
1459	High-Performance Strain Sensors with Fish-Scale-Like Graphene-Sensing Layers for Full-Range Detection of Human Motions. 2016 , 10, 7901-6	384
1458	Graphene Oxide: A Unique Nano-Platform to Build Advanced Multifunctional Composites. 2016 , 193-236	
1457	Prospects of conducting polymer and graphene as counter electrodes in dye-sensitized solar cells. 2016 , 23, 1	25
1456	In Situ Exfoliation of Graphene in Epoxy Resins: A Facile Strategy to Efficient and Large Scale Graphene Nanocomposites. 2016 , 8, 24112-22	46
1455	Graphene and Graphene-Based Composites: A Rising Star in Water Purification - A Comprehensive Overview. 2016 , 1, 4358-4385	61
1454	A high-performance current collector-free flexible in-plane micro-supercapacitor based on a highly conductive reduced graphene oxide film. 2016 , 4, 16213-16218	70
1453	Efficient synthesis of graphene/sulfur nanocomposites with high sulfur content and their application as cathodes for LiB batteries. 2016 , 4, 16219-16224	14
1452	2D nanostructures for water purification: graphene and beyond. 2016 , 8, 15115-31	242
1451	Palladium Nanoparticles Supported on Three-Dimensional Graphene Nanosheets: Superior Cathode Electrocatalysts. 2016 , 3, 1655-1666	15
1450	Carbon Nitride-Aromatic Diimide-Graphene Nanohybrids: Metal-Free Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion with 0.2% Efficiency. 2016 , 138, 10019-25	273
1449	Morti∏ e (Vaccinium floribundum Kunth) berry assisted green synthesis and photocatalytic performance of Silver©raphene nanocomposite. 2016 , 329, 273-279	21
1448	A 3D Nanostructure Based on Transition-Metal Phosphide Decorated Heteroatom-Doped Mesoporous Nanospheres Interconnected with Graphene: Synthesis and Applications. 2016 , 8, 32528-32540	39
1447	The effect of temperature and type of peroxide on graphene synthesized by improved Hummers method. 2016 , 6, 211-214	7
1446	Mechanically-Assisted Electrochemical Production of Graphene Oxide. 2016, 28, 8429-8438	67
1445	Chitosan nanocomposites based on distinct inorganic fillers for biomedical applications. 2016 , 17, 626-643	51
1444	Formation mechanism of graphene quantum dots and their edge state conversion probed by photoluminescence and Raman spectroscopy. 2016 , 4, 10852-10865	114
1443	Graphene in Photocatalysis: A Review. 2016 , 12, 6640-6696	605

1442	High-efficient Synthesis of Graphene Oxide Based on Improved Hummers Method. 2016 , 6, 36143	329
1441	Dazzling green emission from graphene oxide nanosheet-embedded co-doped Ce3+ and Tb3+:PVA polymer nanocomposites for photonic applications. 2016 , 6, 54525-54538	11
1440	Thermal conductivity of epoxy adhesive enhanced by hybrid graphene oxide/AlN particles. 2016 , 106, 1067-1074	56
1439	Magnetite/graphene oxide nano-composite for enhancement of hydrogen production from gelatinaceous wastewater. 2016 , 216, 520-8	44
1438	Thiolated graphene oxide as promising mucoadhesive carrier for hydrophobic drugs. 2016 , 509, 360-367	26
1437	Binding energy shifts for nitrogen-containing graphene-based electrocatalysts Lexperiments and DFT calculations. 2016 , 48, 293-300	108
1436	Graphene oxide: strategies for synthesis, reduction and frontier applications. 2016 , 6, 64993-65011	297
1435	Base-Induced Liquid Crystals of Graphene Oxide for Preparing Elastic Graphene Foams with Long-Range Ordered Microstructures. 2016 , 28, 1623-9	156
1434	Covalent modification of graphene oxide by metronidazole for reinforced anti-corrosion properties of epoxy coatings. 2016 , 6, 18217-18226	53
1433	Green synthesis of AgNPs/reduced graphene oxide nanocomposites and effect on the electrical performance of electrically conductive adhesives. 2016 , 27, 3540-3548	12
1432	Synthesis of r-GO/TiO2 composites via the UV-assisted photocatalytic reduction of graphene oxide. 2016 , 380, 249-256	62
1431	Eco-friendly production of high quality low cost graphene and its application in lithium ion batteries. 2016 , 18, 1952-1964	62
1430	An Introduced Hybrid Graphene/Polyaniline Composites for Improvement of Supercapacitor. 2016 , 45, 820-828	20
1429	Electrochemical capacitors based on the composite of graphene and nickel foam. 2016 , 59, 405-411	6
1428	Graphene oxide incorporated thin film nanocomposite nanofiltration membrane for enhanced salt removal performance. 2016 , 387, 14-24	219
1427	Thermally exfoliated graphene oxide reinforced fluorinated pentablock poly(l-lactide-co-p-caprolactone) electrospun scaffolds: Insight into antimicrobial activity and biodegradation. 2016 , 133, n/a-n/a	8
1426	Mildly reduced less defective graphene oxide/sulfur/carbon nanotube composite films for high-performance lithium-sulfur batteries. 2016 , 18, 11104-10	27
1425	A facile assembly of polyimide/graphene corellhell structured nanocomposites with both high electrical and thermal conductivities. 2016 , 84, 472-481	49

(2017-2016)

1424	polymerization aided by ultrasound. 2016 , 6, 18413-18418		7
1423	Synthesis of graphite oxide by electrochemical oxidation in aqueous perchloric acid. <i>Carbon</i> , 2016 , 100, 540-545	10.4	57
1422	The green reduction of graphene oxide. 2016 , 6, 27807-27828		159
1421	Synthesis and characterization of graphene and functionalized graphene via chemical and thermal treatment methods. 2016 , 6, 3578-3585		72
1420	Functionalised graphene-multiwalled carbon nanotube hybrid poly(styrene-b-butadiene-b-styrene) nanocomposites. 2016 , 90, 315-325		44
1419	Effect on Variation of KMnO4 Amount for Production of Graphene Oxide (GO). 2016 , 1133, 476-480		2
1418	One-pot synthesis of monodispersed porous CoFe2O4 nanospheres on graphene as an efficient electrocatalyst for oxygen reduction and evolution reactions. 2016 , 6, 307-313		36
1417	Water-enhanced oxidation of graphite to graphene oxide with controlled species of oxygenated groups. 2016 , 7, 1874-1881		198
1416	Interfacial resistive heating and mechanical properties of graphene oxide assisted CuO nanoparticles in woven carbon fiber/polyester composite. 2016 , 80, 159-170		20
1415	Does silicate mineral impurities in natural graphite affect the characteristics of synthesized graphene?. 2016 , 74, 333-339		22
1414	The influence of different modified graphene on property of DSSCs. 2016 , 362, 477-482		18
1413	Preparation and characterization of magnetic allylamine modified graphene oxide-poly(vinyl acetate-co-divinylbenzene) nanocomposite for vortex assisted magnetic solid phase extraction of some metal ions. 2016 , 146, 130-7		107
1412	Optical Limiting of Carboxyl G raphene Oxide. 2017 , 23, 200-205		2
1411	The influence of multiwalled carbon nanotubes and graphene oxide additives on the catalytic activity of 3d metal catalysts towards 1-phenylethanol oxidation. 2017 , 426, 557-563		12
1410	Comparison of reduction products from graphite oxide and graphene oxide for anode applications in lithium-ion batteries and sodium-ion batteries. 2017 , 9, 2585-2595		122
1409	Graphene and Graphene Oxide Modified by Deep Eutectic Solvents and Ionic Liquids Supported on Silica as Adsorbents for Solid-Phase Extraction. 2017 , 38, 251-257		30
1408	Synthesis of Fluorinated Graphene/CoAl-Layered Double Hydroxide Composites as Electrode Materials for Supercapacitors. 2017 , 9, 5204-5212		98
1407	Schottky behavior of reduced graphene oxide at various operating temperatures. 2017 , 6, 229-236		9

1406	Enhanced mechanical properties of cement paste by hybrid graphene oxide/carbon nanotubes. 2017 , 134, 336-345	106
1405	Aptamer-molecularly imprinted sensor base on electrogenerated chemiluminescence energy transfer for detection of lincomycin. 2017 , 91, 687-691	59
1404	Boron-doped reduced graphene oxide-based bimetallic Ni/Fe nanohybrids for the rapid dechlorination of trichloroethylene. 2017 , 4, 565-576	44
1403	Surface characterization and specific wear rate prediction of r-GO/AZ31 composite under dry sliding wear condition. 2017 , 6, 143-153	43
1402	Attenuation of the in vitro neurotoxicity of 316L SS by graphene oxide surface coating. 2017 , 73, 788-797	17
1401	Electrodeposition of composite films of reduced graphene oxide/polyaniline in neutral aqueous solution on inert and oxidizable metal. 2017 , 786, 135-144	17
1400	Recent advances in inorganic 2D materials and their applications in lithium and sodium batteries. 2017 , 5, 3735-3758	259
1399	Enhanced adsorption performance of the graphene oxide with metallic ion impurities by elution. 2017 , 49, 728-734	1
1398	One-pot preparation of PEDOT:PSS-reduced graphene decorated with Au nanoparticles for enzymatic electrochemical sensing of H 2 O 2. 2017 , 407, 162-170	56
1397	Liquid Crystals of Graphene Oxide: A Route Towards Solution-Based Processing and Applications. 2017 , 34, 1600396	14
1396	Electrochemical deposition of polyviologen-reduced graphene oxide nanocomposite thin films. 2017 , 231, 279-286	11
1395	UV-Assisted Photocatalytic Synthesis of ZnO-Reduced Graphene Oxide Nanocomposites with Enhanced Photocatalytic Performance in Degradation of Methylene Blue. 2017 , 6, M36-M43	28
1394	Effect of treatment by electrostatic field and 532-nm laser irradiation on optical and thermo-optical properties of graphene oxide colloids. 2017 , 52, 4532-4542	9
1393	Interfacial strengthening between graphene and polymer through Stone-Thrower-Wales defects: Ab initio and molecular dynamics simulations. <i>Carbon</i> , 2017 , 118, 66-77	47
1392	Facile and effective oxidation of graphite using sodium metaperiodate. 2017 , 193, 305-308	14
1391	Synthesis and electromagnetic wave absorption property of amorphous carbon nanotube networks on a 3D graphene aerogel/BaFe12O19 nanocomposite. 2017 , 708, 115-122	34
1390	Anchored Fe3O4 Nanoparticles on rGO Nanosheets as High-Power Negative Electrodes for Aqueous Batteries. 2017 , 4, 1295-1305	15
1389	Reduced graphene oxide/TiO 2 nanotube composites for formic acid photodegradation. 2017 , 209, 203-213	77

1388	Melt quenched vanadium oxide embedded in graphene oxide sheets as composite electrodes for amperometric dopamine sensing and lithium ion battery applications. 2017 , 410, 336-343	14
1387	Detection of trace levels of organophosphate pesticides using an electronic tongue based on graphene hybrid nanocomposites. 2017 , 167, 59-66	109
1386	One-pot synthesis of rice-like TiO2/graphene hydrogels as advanced electrodes for supercapacitors and the resulting aerogels as high-efficiency dye adsorbents. 2017 , 229, 239-252	52
1385	TiO2/RGO composites: Its achievement and factors involved in hydrogen production. 2017 , 76, 1384-1392	25
1384	Role of oxygen functional groups in reduced graphene oxide for lubrication. 2017 , 7, 45030	241
1383	Surface modification of knit polyester fabric for mechanical, electrical and UV protection properties by coating with graphene oxide, graphene and graphene/silver nanocomposites. 2017 , 414, 292-302	63
1382	Molecular-Level Insights into the Stability of Aqueous Graphene Oxide Dispersions. 2017 , 121, 9847-9859	20
1381	Effect of oxidation degree of graphene oxide on the electrochemical performance of CoAl-layered double hydroxide/graphene composites. 2017 , 7, 201-211	27
1380	Novel Hybrid Catalyst for the Oxidation of Organic Acids: Pd Nanoparticles Supported on Mn-N-3D-Graphene Nanosheets. 2017 , 4, 2336-2344	3
1379	Synthesis of Graphene Oxide using Modified Hummers Method: Solvent Influence. 2017 , 184, 469-477	584
1378	Effect of structural disparity of graphene-based materials on thermo-mechanical and surface properties of thermoplastic polyurethane nanocomposites. 2017 , 119, 118-133	67
1377	Preparation and characterization of graphene-agar and graphene oxide-agar composites. 2017 , 134, 45085	10
1376	A new approach for enhancement of the corrosion protection properties and interfacial adhesion bonds between the epoxy coating and steel substrate through surface treatment by covalently modified amino functionalized graphene oxide film. 2017 , 123, 55-75	159
1375	Nanostructured 3D-porous graphene hydrogel based Ti/Sb-SnO-Gr electrode with enhanced electrocatalytic activity. 2017 , 169, 651-659	25
1374	Titanium Dioxide/Reduced Graphene Oxide Hybrid Photocatalysts for Efficient and Selective Partial Oxidation of Cyclohexane. 2017 , 7, 293-300	64
1373	Effect of Synthesis Methods on Methanol Oxidation Reaction on Reduced Graphene Oxide Supported Palladium Electrocatalysts. 2017 , 184, 587-594	13
1372	In situ, facile synthesis of La0.8Sr0.2MnO3/nitrogen-doped graphene: a high-performance catalyst for rechargeable Li-O2 batteries. 2017 , 23, 2241-2250	9
1371	Study on structure-activity relationship between size and tribological properties of graphene oxide nanosheets in oil. 2017 , 722, 778-784	17

Cost-effective fabrication of graphene-like nanosheets from natural microcrystalline graphite minerals by liquid oxidation method. 2017 , 7, 32008-32019	11
Graphene-Based Organic Electrochemical Capacitors for AC Line Filtering. 2017 , 7, 1700591	46
Fabrication of corellhell Ag@pDA@HAp nanoparticles with the ability for controlled release of Ag+ and superior hemocompatibility. 2017 , 7, 29368-29377	20
Copper-graphene oxide composite coatings for corrosion protection of mild steel in 3.5% NaCl. 2017 , 636, 107-115	59
Synthesis of few-layer graphene-like sheets from carbon-based powders via electrochemical exfoliation, using carbon black as an example. 2017 , 52, 11004-11013	11
Electrophoretic Deposition of SnFe2O4 © raphene Hybrid Films as Anodes for Lithium Ion Batteries. 2017 , 70, 1073	11
Anisotropy of functional properties of SiC composites with GNPs, GO and in-situ formed graphene. 2017 , 37, 3731-3739	26
Influence of reduced graphene oxide on the synergism between rutile and anatase TiO 2 particles in photocatalytic degradation of formic acid. 2017 , 432, 125-130	20
Novel hydrophobic PVDF/APTES-GO nanocomposite for natural gas pipelines coating. 2017 , 42, 190-202	20
Attached Etyclodextrin/E(2,3-epoxypropoxy) propyl trimethoxysilane to graphene oxide and its application in copper removal. 2017 , 75, 2403-2411	6
3D assembly based on 2D structure of Cellulose Nanofibril/Graphene Oxide Hybrid Aerogel for Adsorptive Removal of Antibiotics in Water. 2017 , 7, 45914	88
Construction of a Concanavalin A electrochemical sensor base on a novel sandwich capture mode. 2017 , 248, 201-206	16
Comparing the electrophoretic deposition process of graphene oxides synthesized through different methods. 2017 , 631, 118-123	14
Fabrication of reduced graphene oxide-graphite paste electrode for H2O2 formation and its implication for ciprofloxacin degradation. 2017 , 7, 99-105	9
Unique perforated graphene derived from Bougainvillea flowers for high-power supercapacitors: a green approach. 2017 , 9, 4801-4809	40
Stability, Molecular Sieving, and Ion Diffusion Selectivity of a Lamellar Membrane from Two-Dimensional Molybdenum Disulfide. 2017 , 17, 2342-2348	103
CoreBhell reduced graphene oxide/MnO @carbon hollow nanospheres for high performance supercapacitor electrodes. 2017 , 313, 518-526	125
High-performance ink-jet printed graphene resistors formed with environmentally-friendly surfactant-free inks for extreme thermal environments. 2017 , 6, 16-21	22
	minerals by liquid oxidationiteduction method. 2017, 7, 32008-32019 Graphene-Based Organic Electrochemical Capacitors for AC Line Filtering. 2017, 7, 1700591 Fabrication of corelihell Ag@pDA@HAp nanoparticles with the ability for controlled release of Ag+ and superior hemocompatibility. 2017, 7, 29368-29377 Copper-graphene oxide composite coatings for corrosion protection of mild steel in 3.5% NaCl. 2017, 636, 107-115 Synthesis of few-layer graphene-like sheets from carbon-based powders via electrochemical exfoliation, using carbon black as an example. 2017, 52, 11004-11013 Electrophoretic Deposition of SnFe2O4Graphene Hybrid Films as Anodes for Lithium Ion Batteries. 2017, 70, 1073 Anisotropy of functional properties of SiC composites with GNPs, GO and in-situ formed graphene. 2017, 37, 3731-3739 Influence of reduced graphene oxide on the synergism between rutile and anatase TiO 2 particles in photocatalytic degradation of formic acid. 2017, 432, 125-130 Novel hydrophobic PVDF/APTES-GO nanocomposite for natural gas pipelines coating. 2017, 42, 190-202 Attached Etyclodextrin/IQ2,3-epoxypropoxy) propyl trimethoxysilane to graphene oxide and its application in copper removal. 2017, 75, 2403-2411 3D assembly based on 2D structure of Cellulose Nanofibril/Graphene Oxide Hybrid Aerogel for Adsorptive Removal of Antibiotics in Water. 2017, 7, 45914 Construction of a Concanavalin A electrochemical sensor base on a novel sandwich capture mode. 2017, 248, 201-206 Comparing the electrophoretic deposition process of graphene oxides synthesized through different methods. 2017, 631, 118-123 Fabrication of reduced graphene derived from Bougainvillea flowers for high-power supercapacitors: a green approach. 2017, 9, 4801-4809 Unique perforated graphene derived from Bougainvillea flowers for high-power supercapacitors: a green approach. 2017, 9, 4801-4809 CoreBhell reduced graphene oxide/MnO @carbon hollow nanospheres for high performance supercapacitor electrodes. 2017, 313, 518-526

1352	Green fabrication of graphene-based silver nanocomposites using agro-waste for sensing of heavy metals. 2017 , 43, 3757-3773	12
1351	Platinum adsorption onto graphene and oxidized graphene: A quantum mechanics study. 2017 , 190, 17-24	5
1350	Increased X-ray Attenuation Efficiency of Graphene-Based Nanocomposite. 2017, 56, 11782-11790	11
1349	High rate capability and long cycling life of graphene-coated silicon composite anodes for lithium ion batteries. 2017 , 256, 259-266	46
1348	Two-dimensional and three-dimensional hybrid assemblies based on graphene oxide and other layered structures: A carbon science perspective. <i>Carbon</i> , 2017 , 125, 437-453	4 20
1347	A small graphene oxide sheet/polyvinylidene fluoride bilayer actuator with large and rapid responses to multiple stimuli. 2017 , 9, 17465-17470	49
1346	Trends in electrochemical impedance spectroscopy involving nanocomposite transducers: Characterization, architecture surface and bio-sensing. 2017 , 97, 201-215	73
1345	Improvement of Interface Thermal Resistance for Surface-Mounted Ultraviolet Light-Emitting Diodes Using a Graphene Oxide Silicone Composite. 2017 , 2, 5005-5011	12
1344	Facile synthesis of hierarchical porous carbon derived from carboxyl graphene oxide/phenolic foam for high performance supercapacitors. 2017 , 7, 43965-43977	12
1343	Graphene based strain and damage prediction system for polymer composites. 2017 , 103, 48-59	25
1342	Nanocomposite of functionalized graphene and molybdenum disulfide as friction modifier additive for lubricant. 2017 , 244, 304-308	28
1341	A Highly Stretchable Nanofiber-Based Electronic Skin with Pressure-, Strain-, and Flexion-Sensitive Properties for Health and Motion Monitoring. 2017 , 9, 42951-42960	104
1340	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. 2017 , 117, 12942-13038	191
1339	Polyimide derived laser-induced graphene as adsorbent for cationic and anionic dyes. <i>Carbon</i> , 2017 , 124, 515-524	4 58
1338	Enhanced optical limiting effect in fluorine-functionalized graphene oxide. 2017, 19, 1	
1337	Graphene Oxide-Polycarbonate Track-Etched Nanosieve Platform for Sensitive Detection of Human Immunodeficiency Virus Envelope Glycoprotein. 2017 , 9, 32621-32634	14
1336	Magnetic graphene oxide modified by imidazole-based ionic liquids for the magnetic-based solid-phase extraction of polysaccharides from brown alga. 2017 , 40, 3301-3310	24
1335	Environmental impact and potential health risks of 2D nanomaterials. 2017 , 4, 1617-1633	54

1334	Solution blow spun PMMA nanofibers wrapped with reduced graphene oxide as an efficient dye adsorbent. 2017 , 41, 9087-9094	39
1333	In situ decoration of plasmonic Au nanoparticles on graphene quantum dots-graphitic carbon nitride hybrid and evaluation of its visible light photocatalytic performance. 2017 , 28, 395703	43
1332	Superior electrocatalytic activity of PtSrCoO3Ihanoparticles supported on functionalized reduced graphene oxide-chitosan for ethanol oxidation. 2017 , 42, 21131-21145	9
1331	Graphene oxide induced hydrothermal carbonization of egg proteins for high-performance supercapacitors. 2017 , 5, 17040-17047	53
1330	DNA biosensors based on gold nanoparticles-modified graphene oxide for the detection of breast cancer biomarkers for early diagnosis. 2017 , 118, 91-99	91
1329	Graphene as a flexible electrode: review of fabrication approaches. 2017 , 5, 17777-17803	80
1328	Co,N-codoped graphene as efficient electrocatalyst for hydrogen evolution reaction: Insight into the active centre. 2017 , 363, 260-268	43
1327	Electrophoretic Deposition of Binder-Free MnO2/Graphene Films for Lithium-Ion Batteries. 2017 , 35, 1575-1585	11
1326	Graphene-based composite electrodes for electrochemical energy storage devices: Recent progress and challenges. 2017 , 6, 48-76	22
1325	Structural and optical properties of thermally reduced graphene oxide for energy devices. 2017 , 26, 086501	7
1324	Nitrogen-Doped Three-Dimensional Graphene-Supported Palladium Nanocomposites: High-Performance Cathode Catalysts for Oxygen Reduction Reactions. 2017 , 7, 6609-6618	29
1323	Synthesis and characterization of GO-hydrogels composites. 2017 , 258, 012002	4
1322	Influence of graphene oxide with different degrees of oxidation on the conductivity of graphene/poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) composites. 2017 , 25, 652-660	2
1321	Solar light assisted green synthesis of photoreduced graphene oxide for the high-efficiency adsorption of anionic dyes. 2017 , 7, 53362-53372	14
1320	A novel surface cross-linked GO-based membrane with superior separation performance. 2017 , 7, 54213-5422	2 1 5
1319	A sustainable hierarchical carbon derived from cultivated fibroid fungus for high performance lithiumBulfur batteries. 2017 , 7, 47407-47415	8
1318	A cost effective and eco-friendly green route for fabrication of efficient graphene nanosheets photocatalyst. 2017 , 5, 5770-5776	14
1317	Studies on graphene reinforced Cu base composites prepared by two step thermal processing method. 2017 , 4, 8045-8051	3

(2017-2017)

1316	storage. 2017 , 138, 883-889	53
1315	Xanthate-modified magnetic chitosan/poly (vinyl alcohol) adsorbent: Preparation, characterization, and performance of Pb(II) removal from aqueous solution. 2017 , 78, 485-492	33
1314	Influence of r-GO addition on enhancement of corrosion and wear behavior of AZ31 MMC. 2017 , 123, 1	26
1313	Hierarchical NiO Cube/Nitrogen-Doped Reduced Graphene Oxide Composite with Enhanced HS Sensing Properties at Low Temperature. 2017 , 9, 26293-26303	80
1312	Enhancing adsorption property of Engelhard Titanosilicate-10 through incorporation of graphene oxide. 2017 , 252, 125-139	11
1311	Electrochemical behaviour of SnZn-graphene oxide composite coatings. 2017 , 636, 593-601	21
1310	Chemical modification of graphene oxide through poly(ethylene oxide)-conjugations. 2017, 25, 452-460	3
1309	Electrochemical treatment of 2, 4-dichlorophenol using a nanostructured 3D-porous Ti/Sb-SnO-Gr anode: Reaction kinetics, mechanism, and continuous operation. 2017 , 185, 11-19	8
1308	High Specific Capacitance and Energy density of Synthesized Graphene Oxide based Hierarchical Al2S3 Nanorambutan for Supercapacitor Applications. 2017 , 246, 1097-1103	43
1307	Graphene/silver nanocomposites-potential electron mediators for proliferation in electrochemical sensing and SERS activity. 2017 , 86, 155-171	26
1306	Laser reduced graphene for supercapacitor applications. 2017 , 337, 73-81	77
1305	Emerging Approaches for Graphene Oxide Biosensor. 2017 , 89, 232-248	84
1304	Green Processing of Carbon Nanomaterials. 2017 , 29, 1602423	30
1303	An ultrasensitive moisture driven actuator based on small flakes of graphene oxide. 2017 , 242, 418-422	27
1302	Highly sensitive electrochemical immunosensor based on graphene-wrapped copper oxide-cysteine hierarchical structure for detection of pathogenic bacteria. 2017 , 238, 1060-1069	71
1301	Low intensity-ultrasonic irradiation for highly efficient, eco-friendly and fast synthesis of graphene oxide. 2017 , 38, 693-703	31
1300	Photocatalysis assisted simultaneous carbon oxidation and NOx reduction. 2017, 202, 381-387	14
1299	Decomposition of acetaminophen in water by a gas phase dielectric barrier discharge plasma combined with TiO2-rGO nanocomposite: Mechanism and degradation pathway. 2017 , 323, 719-729	63

1298	ARSENIC ADSORPTION FROM WATER USING GRAPHENE-BASED MATERIALS AS ADSORBENTS: A CRITICAL REVIEW. 2017 , 24, 1730001		25
1297	Bandgap engineering of ultrathin graphene-like carbon nitride nanosheets with controllable oxygenous functionalization. <i>Carbon</i> , 2017 , 113, 63-75	10.4	84
1296	Sol-gel assisted hydrothermal synthesis and characterization of hybrid ZnS-RGO nanocomposite for efficient photodegradation of dyes. 2017 , 695, 799-809		30
1295	On the Reliability of Sodium Co-Intercalation in Expanded Graphite Prepared by Different Methods as Anodes for Sodium-Ion Batteries. 2017 , 164, A3804-A3813		33
1294	Nanostructured porous graphene and its composites for energy storage applications. 2017 , 4, 29		21
1293	Investigation of graphene nanofluid for high efficient solar steam generation. 2017, 142, 350-355		8
1292	Electrochemical and optical biosensors for early-stage cancer diagnosis by using graphene and graphene oxide. 2017 , 8, 10		25
1291	Functionalizing Graphene Oxide with Alkylamine by Gamma-ray Irradiation Method. 2017, 7,		19
1290	One-Step Preparation of Graphene Oxide/Cellulose Nanofibril Hybrid Aerogel for Adsorptive Removal of Four Kinds of Antibiotics. 2017 , 2017, 1-10		13
1289	Controlled Functionalization of Graphene Layers. 2017,		1
1288	1.14 Graphene Membranes. 2017 , 358-385		1
1287	Discovery of graphene and beyond. 2017 , 1-15		3
1286	Graphene-Based Nanolayers Toward Energy Storage Device. 2017 , 353-389		4
1285	Embedded Si/Graphene Composite Fabricated by Magnesium-Thermal Reduction as Anode Material for Lithium-Ion Batteries. 2017 , 12, 627		15
1284	Lube Oil Wear Reduction via Organic Tribofilms. 2017 , 5, 30		3
1283	Preparation of graphene-glass fiber-resin composites and its electromagnetic shielding performance. 2018 , 25, 883-900		20
1282	Exploration of graphene oxide nanoribbons as excellent electron conducting network for third generation solar cells. 2018 , 183, 211-219		71
1281	Graphene oxide composites for magnetic solid-phase extraction of trace cytokinins in plant samples followed by liquid chromatography-tandem mass spectrometry. 2018 , 41, 2386-2392		10

1280	Synthesis and application of NiMnO3-rGO nanocomposites as electrode materials for hybrid energy storage devices. 2018 , 460, 74-83	16
1279	Removal of uranium(VI) from aqueous solution using graphene oxide functionalized with diethylenetriaminepentaacetic phenylenediamine. 2018 , 55, 781-791	20
1278	In-situ synthesis of visible-light responsive Ag2O/graphene oxide nanocomposites and effect of graphene oxide content on its photocatalytic activity. 2018 , 1, 374-388	24
1277	Magnetic graphene oxide inlaid with silver nanoparticles as antibacterial and drug delivery composite. 2018 , 102, 3607-3621	35
1276	One-step surface modification of graphene oxide and influence of its particle size on the properties of graphene oxide/epoxy resin nanocomposites. 2018 , 101, 211-217	34
1275	A Novel Voltammetric Sensor Based on Reduced Graphene Oxide-Platinum Nanohybrid-modified Electrode for Facile and Effective Determination of 4-Chlorophenol in Real Water Samples. 2018 , 39, 611-617	2
1274	High temperature gas sensing performances of silicon carbide nanosheets with an n-p conductivity transition 2018 , 8, 13697-13707	28
1273	A TOPSIS-Based Taguchi Design to Investigate Optimum Mixture Proportions of Graphene Oxide Powder Synthesized by Hummers Method. 2018 , 43, 6033-6055	16
1272	Enhanced TiO nanorods photocatalysts with partially reduced graphene oxide for degrading aqueous hazardous pollutants. 2018 , 25, 17553-17564	6
1271	Electrochemical alternative to obtain reduced graphene oxide by pulse potential: Effect of synthesis parameters and study of corrosion properties. 2018 , 88, 167-188	8
1270	Up to date review on the synthesis and thermophysical properties of hybrid nanofluids. 2018 , 190, 169-192	111
1269	Mechanically viscoelastic nanoreinforced hybrid hydrogels composed of polyacrylamide, sodium carboxymethylcellulose, graphene oxide, and cellulose nanocrystals. 2018 , 193, 228-238	68
1268	Selective edge functionalization of graphene layers with oxygenated groups by means of Reimer iemann and domino Reimer iemann/Cannizzaro reactions. 2018, 6, 7749-7761	15
1267	Synthesis of graphene oxide and reduced graphene oxide using volumetric method by a novel approach without NaNO2 or NaNO3. 2018 , 8, 751-758	8
1266	Excellent electrochemical performance of graphene oxide based strontium sulfide nanorods for supercapacitor applications. 2018 , 273, 136-144	40
1265	Cubic CeO implanted reduced graphene oxide-based highly sensitive biosensor for non-invasive oral cancer biomarker detection. 2018 , 6, 3000-3012	46
1264	The epoxy coating interfacial adhesion and corrosion protection properties enhancement through deposition of cerium oxide nanofilm modified by graphene oxide. 2018 , 64, 402-419	40
1263	Interaction between U(VI) with sulfhydryl groups functionalized graphene oxides investigated by batch and spectroscopic techniques. 2018 , 524, 129-138	35

1262	Graphene based strain sensors: A comparative study on graphene and its derivatives. 2018, 448, 71-77	43
1261	Innovations in graphene-based nanomaterials in the preconcentration of pharmaceuticals waste. 2018 , 7, 73-94	6
1260	Modification of graphene oxide surfaces with 12-molybdophosphoric acid: Structural and antibacterial study. 2018 , 213, 157-167	13
1259	Carbon-polyaniline nanocomposites as supercapacitor materials. 2018 , 5, 045505	20
1258	Enhanced Efficiency of Dye-sensitized Solar Cells Using rGO@TiO2 Nanotube Hybrids. 2018, 34, 269-273	5
1257	Fast technique for the purification of as-prepared graphene oxide suspension. 2018 , 86, 20-28	15
1256	Laser effects on graphene oxide irradiated in high vacuum. 2018 , 173, 73-84	10
1255	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. 2018 , 146, 77-85	42
1254	Simplified production of graphene oxide assisted by high shear exfoliation of graphite with controlled oxidation. 2018 , 42, 4507-4512	9
1253	Highly stretchable strain sensors with reduced graphene oxide sensing liquids for wearable electronics. 2018 , 10, 5264-5271	95
1252	Tailored SPVdF-co-HFP/SGO nanocomposite proton exchange membranes for direct methanol fuel cells. 2018 , 140, 22-32	44
1251	Improving the crystallization and fire resistance of poly(lactic acid) with nano-ZIF-8@GO. 2018 , 53, 7083-7093	19
1250	Interface Anchored Effect on Improving Working Stability of Deep Ultraviolet Light-Emitting Diode Using Graphene Oxide-Based Fluoropolymer Encapsulant. 2018 , 10, 8238-8244	10
1249	A novel copper complex supported on magnetic reduced graphene oxide: an efficient and green nanocatalyst for the synthesis of 1-amidoalkyl-2-naphthol derivatives. 2018 , 20, 1	9
1248	Laser-driven propulsion of multilayer graphene oxide flakes. 2018 , 6, 2329-2335	6
1247	Facile synthesis of oxidized activated carbons for high-selectivity and low-enthalpy CO2 capture from flue gas. 2018 , 42, 4495-4500	3
1246	Facile synthesis of graphene oxide with significant enhanced properties for optoelectronic and energy devices. 2018 , 44, 6823-6828	12
1245	In situ decoration of Zn2SnO4 nanoparticles on reduced graphene oxide for high performance ethanol sensor. 2018 , 44, 6836-6842	25

1244	Electron transfer-induced catalytic enhancement over bismuth nanoparticles supported by N-doped graphene. 2018 , 334, 1691-1698	33
1243	Surface oxidation of single wall carbon nanohorns for the production of surfactant free water-based colloids. 2018 , 514, 528-533	18
1242	A Thermally Decomposable Template Route to Synthesize Nitrogen-Doped Wrinkled Carbon Nanosheets as Highly Efficient and Stable Electrocatalysts for the Oxygen Reduction Reaction. 2018 , 6, 1951-1960	14
1241	Graphene and its sensor-based applications: A review. 2018 , 270, 177-194	308
1240	Preparation and evaluation of magnetic field-induced orientation on magnetic nanoparticles on PVA nanocomposite films. 2018 , 53, 5051-5062	9
1239	A green approach for single-pot synthesis of graphene oxide and its composite with Mn3O4. 2018 , 437, 41-50	14
1238	Anomalous fluorescence enhancement and fluorescence quenching of graphene quantum dots by single walled carbon nanotubes. 2018 , 20, 4527-4537	28
1237	H3PW12O40 anchored on graphene-grafted silica-coated MnFe2O4 as magnetic catalyst for Mannich reaction. 2018 , 15, 943-953	6
1236	Evaluation of scratch resistance of functionalized graphene oxide/polysiloxane nanocomposite coatings. 2018 , 117, 118-129	15
1235	Corrosion protection and adhesion properties of the epoxy coating applied on the steel substrate pre-treated by a sol-gel based silane coating filled with amino and isocyanate silane functionalized graphene oxide nanosheets. 2018 , 439, 45-59	117
1234	Adsorption of tetracycline antibiotics from an aqueous solution onto graphene oxide/calcium alginate composite fibers 2018 , 8, 2616-2621	71
1233	N-Doped graphene-supported PdCu nanoalloy as efficient catalyst for reducing Cr(vi) by formic acid. 2018 , 20, 3457-3464	24
1232	The Mechanical Properties and Micro-Structure of Oil Well Cement Enhanced by Graphene Oxide. 2018 , 916, 200-204	2
1231	Development of Graphene Oxide Functionalized Cotton Fiber Based Solid Phase Extraction Combined with Liquid Chromatography-Fluorescence Detection for Determination of Trace Auxins in Plant Samples. 2018 , 81, 861-869	7
1230	Investigation of novel zinc molybdategraphene nanocomposite for supercapacitor applications. 2018 , 124, 1	11
1229	Fabrication of large Pt nanoparticles-decorated rGO counter electrode for highly efficient DSSCs. 2018 , 65, 318-324	12
1228	Neurogenic differentiation of adipose derived stem cells on graphene-based mat. 2018 , 90, 685-692	27
1227	In Situ Surface-Enhanced Infrared Absorption Spectroscopy of Aqueous Molecules with Facile-Prepared Large-Area Reduced Graphene Oxide Island Film. 2018 , 90, 6526-6531	5

1226	Raman investigation of laser-induced structural defects of graphite oxide films. 2018, 167, 04011	3
1225	Intercalation of Bi nanoparticles into graphite results in an ultra-fast and ultra-stable anode material for sodium-ion batteries. 2018 , 11, 1218-1225	154
1224	Synthesis of graphene-based nanostructures by the combined method comprising sol-gel and sonochemistry techniques. 2018 , 85, 23-36	4
1223	Inclusion of graphene oxide in cementitious composites: state-of-the-art review. 2018 , 16, 81-95	11
1222	Graphene enhanced flexible expanded graphite film with high electric, thermal conductivities and EMI shielding at low content. <i>Carbon</i> , 2018 , 133, 435-445	80
1221	Highly efficient heavy-metal extraction from water with carboxylated graphene nanoflakes 2018 , 8, 11043-11050	18
1220	Role of Nitrogen Moieties in N-Doped 3D-Graphene Nanosheets for Oxygen Electroreduction in Acidic and Alkaline Media. 2018 , 10, 11623-11632	64
1219	New insight of high temperature oxidation on self-exfoliation capability of graphene oxide. 2018 , 29, 185601	8
1218	Fabrication of graphene oxide and hyperbranched polyurethane composite via in situ polymerization with improved mechanical and dielectric properties. 2018 , 39, 2765-2770	2
1217	Influence of graphene oxide and graphene nanosheet on the properties of polyvinylidene fluoride nanocomposites. 2018 , 39, 2932-2941	18
1216	Thermal Conductivity and Mechanical Properties of Low-Density Silicone Rubber Filled With Al2O3 and Graphene Nanoplatelets. 2018 , 10,	21
1215	Electrospun PANGO composite nanofibers as water purification membranes. 2018, 135, 45858	45
1214	Friction-induced nano-structural evolution of graphene as a lubrication additive. 2018 , 434, 21-27	117
1213	A study on amphiphilic fluorinated block copolymer in graphite exfoliation using supercritical CO for stable graphene dispersion. 2018 , 510, 162-171	6
1212	Comparative study of different scalable routes to synthesize graphene oxide and reduced graphene oxide. 2018 , 203, 284-292	56
1211	Boftlgraphene oxide-organopolysulfide nanocomposites for superior pseudocapacitive lithium storage. 2018 , 29, 603-605	4
121 0	Fabrication of cellulose acetate nanocomposite membranes using 2D layered nanomaterials for macromolecular separation. 2018 , 107, 1607-1612	36
1209	Reduced graphene oxide/MnO nanohybrid for high-rate pseduocapacitive electrodes. 2018 , 511, 434-439	16

1208	3D-Graphene supports for palladium nanoparticles: Effect of micro/macropores on oxygen electroreduction in Anion Exchange Membrane Fuel Cells. 2018 , 375, 255-264	26
1207	Improving the performance of polymer solar cells by efficient optimizing the hole transport layer-graphene oxide. 2018 , 22, 317-329	6
1206	Reduced graphene oxide based temperature sensor: Extraordinary performance governed by lattice dynamics assisted carrier transport. 2018 , 258, 424-435	53
1205	An easily prepared graphene oxidelbnic liquid hybrid nanomaterial for micro-solid phase extraction and preconcentration of Hg in water samples. 2018 , 10, 338-346	13
1204	An overview of recent applications of reduced graphene oxide as a basis of electroanalytical sensing platforms. 2018 , 10, 218-226	170
1203	Facile preparation of polyamide 6/exfoliated graphite nanoplate composites via ultrasound-assisted processing. 2018 , 58, 1739-1745	12
1202	Preparation of graphene oxide-coated silk fibers through HBPAA [a molecular glue]-induced layer-by-layer self-assembly. 2018 , 15, 101-109	2
1201	CeO/C/rGO nanocomposites derived from Ce-MOF and graphene oxide as a robust platform for highly sensitive uric acid detection. 2018 , 10, 1939-1945	56
1200	Pressure-assisted synthesis of a polyaniline@raphite oxide (PANIGO) hybrid and its friction reducing behavior in liquid paraffin (LP). 2018 , 42, 936-942	5
1199	Functional reduced graphene oxide-based membranes with selective ion transport channels for zwitterionic ions separation based on the pH gradient. 2018 , 10, 1119-1128	6
1198	Fabricating Sulfur/Oxygen Co-Doped Crumpled Graphene for High-Performance Oxygen Reduction Reaction Electrocatalysis. 2018 , 5, 242-246	4
1197	The effect of reduction of graphene oxide on the formation of hydroxyapatite and tricalcium phosphate. 2018 , 148, 1-10	18
1196	Synthesis and characterization of a unique isocyanate silane reduced graphene oxide nanosheets; Screening the role of multifunctional nanosheets on the adhesion and corrosion protection performance of an amido-amine cured epoxy composite. 2018 , 82, 281-299	27
1195	Influences of graphene oxide on biofilm formation of gram-negative and gram-positive bacteria. 2018 , 25, 2853-2860	36
1194	Influence of covalent and non-covalent modification of graphene on the mechanical, thermal and electrical properties of epoxy/graphene nanocomposites: a review. 2018 , 25, 381-414	44
1193	Synthesis and characterization of graphene oxide for the application of transparent thin film and UV shielding. 2018 ,	2
1192	Synthesis, characterization and application in the water purification of the multi-walled carbon nanotubes hybrid material. 2018 , 48, 312-322	1
1191	Enhancing the Electrical Conductivity of Graphene Oxide Reduced by L-Ascorbic Acid via Microwave-Assisted Method. 2018 ,	

1190	Fabrication of graphene oxide-lead oxide epoxy based composite with enhanced chemical resistance, hydrophobicity and thermo-mechanical properties. 2018 , 37, 3792-3803	7
1189	Excellent microwave absorption properties of the h-BNDOHe3O4 ternary composite. 2018, 6, 11722-11730	42
1188	Investigation of Structural, Morphological and Electro-Optical Behavior of GO/rGO. 2018, 6, 32-43	
1187	Synthesis and microstructural characterization of GelMa/PEGDA hybrid hydrogel containing graphene oxide for biomedical purposes. 2018 , 5, 15635-15644	24
1186	Investigation on high performance polymeric nano composite to develop transparent windshield. 2018 , 5, 25229-25235	1
1185	Novel fabrication of functionalized graphene oxide via magnetite and 1-butyl-3-methylimidazolium tetrafluoroborate. 2018 , 16, 403-411	8
1184	Graphene Oxide from Carbon Rod Waste. 2018 , 333, 012012	1
1183	Solder-free electrical Joule welding of macroscopic graphene assemblies. 2018 , 3, 1-8	21
1182	Preparation of reduced Graphene Oxide (rGO) assisted by microwave irradiation and hydrothermal for reduction methods. 2018 , 434, 012079	2
1181	High-Performance PEDOT:PSS/Hexamethylene Diisocyanate-Functionalized Graphene Oxide Nanocomposites: Preparation and Properties. 2018 , 10,	18
1180	Chitosan/graphene oxide-based multifunctional pH-responsive hydrogel with significant mechanical strength, self-healing property, and shape memory effect. 2018 , 37, 3665-3679	27
1179	Physical investigations on the radiation damage of graphene oxide by IR pulsed laser. 2018 , 167, 05011	7
1178	One-pot synthesis of graphene- cobalt hydroxide composite nanosheets (Co/G NSs) for electrocatalytic water oxidation. 2018 , 8, 13772	7
1177	Colloidal suspension of graphene oxide in ionic liquid as lubricant. 2018 , 124, 1	12
1176	Graphene oxide membranes for enhancing water purification in terrestrial and space-born applications: State of the art. 2018 , 448, 113-132	25
1175	Versatile Types of DNA-Based Nanobiosensors for Specific Detection of Cancer Biomarker FEN1 in Living Cells and Cell-Free Systems. 2018 , 18, 7383-7388	24
1174	Enhancing the Mechanical and Electrical Properties of Poly(Vinyl Chloride)-Based Conductive Nanocomposites by Zinc Oxide Nanorods. 2018 , 11,	6
1173	Detailed Investigation into the Preparation of Graphene Oxide by Dichromate Oxidation. 2018 , 3, 6972-6978	2

1172	Laser-Induced Carbon-Based Smart Flexible Sensor Array for Multiflavors Detection. 2018 , 10, 34005-34012	31
1171	A Geometry Effect of Carbon Nanomaterials on Flame Retardancy and Mechanical Properties of Ethylene-Vinyl Acetate/Magnesium Hydroxide Composites. 2018 , 10,	9
1170	Evolution of oxygen functionalities in graphene oxide and its impact on structure and exfoliation: An oxidation time based study. 2018 , 220, 417-425	11
1169	Photo-induced antibacterial activity of four graphene based nanomaterials on a wide range of bacteria 2018 , 8, 31337-31347	37
1168	Hydrophilic and hydrophobic materials and their applications. 2018 , 40, 2686-2725	52
1167	Produ□□B e caracteriza□□B de filmes finos transparentes e condutores de □⊠ido de grafeno reduzido. 2018 , 22,	O
1166	The Optical Properties of Thin Film Reduced Graphene Oxide/Poly (3,4 Ethylenedioxtriophene):Poly (Styrene Sulfonate)(PEDOT:PSS) Fabricated by Spin Coating. 2018 , 1011, 012007	4
1165	Simple Synthesis of Large Graphene Oxide Sheets via Electrochemical Method Coupled with Oxidation Process. 2018 , 3, 10233-10242	64
1164	Core shell-structured NiFe2O4@TiO2 nanoparticle-anchored reduced graphene oxide for rapid degradation of rhodamine B. 2018 , 65, 868-874	9
1163	Recent trends in the synthesis of graphene and graphene oxide based nanomaterials for removal of heavy metals [A review. 2018 , 66, 29-44	190
(-	Controlling reduction degree of graphene oxide membranes for improved water permeance. 2018,	
1162	63, 788-794	67
1161		9
	63, 788-794 Influence of deposition temperature on physical and electrochemical properties of reduced	ŕ
1161	63, 788-794 Influence of deposition temperature on physical and electrochemical properties of reduced graphene oxide electrode material for supercapacitor application. 2018, 44, 14547-14555 Fabrication of a flexible film electrode based on cellulose nanofibers aerogel dispersed with	9
1161 1160	Influence of deposition temperature on physical and electrochemical properties of reduced graphene oxide electrode material for supercapacitor application. 2018, 44, 14547-14555 Fabrication of a flexible film electrode based on cellulose nanofibers aerogel dispersed with functionalized graphene decorated with SnO2 for supercapacitors. 2018, 53, 11648-11658 VPO4@C/graphene microsphere as a potential anode material for lithium-ion batteries. 2018, 44, 14432-1443	9
1161 1160 1159	Influence of deposition temperature on physical and electrochemical properties of reduced graphene oxide electrode material for supercapacitor application. 2018, 44, 14547-14555 Fabrication of a flexible film electrode based on cellulose nanofibers aerogel dispersed with functionalized graphene decorated with SnO2 for supercapacitors. 2018, 53, 11648-11658 VPO4@C/graphene microsphere as a potential anode material for lithium-ion batteries. 2018, 44, 14432-1443	9 16 8 ₃₄
1161 1160 1159 1158	Influence of deposition temperature on physical and electrochemical properties of reduced graphene oxide electrode material for supercapacitor application. 2018, 44, 14547-14555 Fabrication of a flexible film electrode based on cellulose nanofibers aerogel dispersed with functionalized graphene decorated with SnO2 for supercapacitors. 2018, 53, 11648-11658 VPO4@C/graphene microsphere as a potential anode material for lithium-ion batteries. 2018, 44, 14432-1443 The pH dependent reactions of graphene oxide with small molecule thiols 2018, 8, 18388-18395	9 16 8 ₃₄

1154	Surfactant-Free Synthesis of Graphene Oxide Coated Silver Nanoparticles for SERS Biosensing and Intracellular Drug Delivery. 2018 , 1, 2748-2753	4	4
1153	One-pot synthesis of covalently functionalized reduced graphene oxidepolyaniline nanocomposite for supercapacitor applications. 2018 , 20, 2025-2035	5	
1152	Green and facile synthesis of few-layer graphene via liquid exfoliation process for Lithium-ion batteries. 2018 , 8, 9766	2	4
1151	Structural integrity versus lateral size: Enhancing graphene-based film materials by reducing planar defects rather than flake boundary. <i>Carbon</i> , 2018 , 139, 216-225	10.4 1	3
1150	Preparation, characterization, and properties of graphene oxide/urushiol-formaldehyde polymer composite coating. 2018 , 15, 1343-1356	1	2
1149	Actuation behavior of PDMS dielectric elastomer composites containing optimized graphene oxide. 2018 , 27, 085021	3	7
1148	Hybrid TiO2-Graphene nanoribbon photoanodes to improve the photoconversion efficiency of dye sensitized solar cells. 2018 , 396, 566-573	2	8
1147	Preparation of light-sensitive polymer/graphene composite via molecular recognition by Eyclodextrin. 2018 , 53, 14337-14349	9	,
1146	Fabric-infused array of reduced graphene oxide sensors for mapping of skin temperatures. 2018 , 280, 92-98	1	1
1145	Zeolitic Imidazole Framework/Graphene Oxide Hybrid Functionalized Poly(lactic acid) Electrospun Membranes: A Promising Environmentally Friendly Water Treatment Material. 2018 , 3, 6860-6866	2	6
1144	Use of nanostructured materials in medical diagnostics. 2018 , 319-338	1	
1143	Effect of graphene oxide with different oxygenated groups on the high-rate partial-state-of-charge performance of lead-acid batteries. 2018 , 18, 414-420	6	
1142	Taking full advantage of KMnO4 in simplified Hummers method: A green and one pot process for the fabrication of alpha MnO2 nanorods on graphene oxide. 2018 , 192, 414-421	1	7
1141	Chemical synthesis of single-layer graphene by using ball milling compared with NaBH4 and hydroquinone reductants. 2018 , 13, 1412-1416	4	
1140	Polymer Gels. 2018,	2	
1139	Improving the mechanical properties of a high density carbon block from mesocarbon microbeads according to oxidative stabilization. 2018 , 8, 11064	7	
1138	Ultrasensitive biosensor based on polyvinylpyrrolidone/chitosan/reduced graphene oxide electrospun nanofibers for 17 Ethinylestradiol electrochemical detection. 2018 , 458, 431-437	4	1
1137	Solution-Processed Conductive Biocomposites Based on Polyhydroxybutyrate and Reduced Graphene Oxide. 2018 , 122, 17490-17500	1	1

1136	Ionic Liquid-Assisted Laser Desorption/Ionization-Mass Spectrometry: Matrices, Microextraction, and Separation. 2018 , 1,	12
1135	Recent Developments in Graphene/Polymer Nanocomposites for Application in Polymer Solar Cells. 2018 , 10,	76
1134	Influence of Graphene Nanosheets on Rheology, Microstructure, Strength Development and Self-Sensing Properties of Cement Based Composites. 2018 , 10, 822	31
1133	Electrochemical sensor based on palladium loaded laser scribed graphitic carbon nanosheets for ultrasensitive detection of hydrazine. 2018 , 42, 13744-13753	9
1132	Flexible Polydimethylsilane Nanocomposites Enhanced with a Three-Dimensional Graphene/Carbon Nanotube Bicontinuous Framework for High-Performance Electromagnetic Interference Shielding. 2018 , 10, 26723-26732	110
1131	A general strategy for direct synthesis of reduced graphene oxide by chemical exfoliation of graphite. 2018 , 218, 51-61	22
1130	Self-Powered Plasmonic UV Detector, Based on Reduced Graphene Oxide/Ag Nanoparticles. 2018 , 39, 1433-1436	10
1129	Modification and photovoltaic properties of reduced graphene oxide/acetylene black composite electrode. 2018 , 20, 1	
1128	Graphene-based nanomaterials and their potentials in advanced drug delivery and cancer therapy. 2018 , 286, 64-73	140
1127	A review on the very high nanofiller-content nanocomposites: Their preparation methods and properties with high aspect ratio fillers. 2018 , 86, 1-39	62
1126	Copper-Graphene Composite: Electrochemical Synthesis and Structural Characterization. 2018 , 333, 012002	2
1125	Exfoliation, reduction, hybridization and polymerization mechanisms in one-step microwave-assist synthesis of nanocomposite nylon-6/graphene. 2018 , 146, 73-81	15
1124	A microfluidic chip containing a molecularly imprinted polymer and a DNA aptamer for voltammetric determination of carbofuran. 2018 , 185, 295	19
1123	Porous NiCoMn ternary metal oxide/graphene nanocomposites for high performance hybrid energy storage devices. 2018 , 279, 44-56	31
1122	Eco-friendly synthesis of high electrical conducting graphene oxide through a hydroxylation reaction for composite applications. 2018 , 149, 198-205	3
1121	Investigation of thermophysical properties of nanofluids containing poly(vinyl alcohol)-functionalized graphene. 2018 , 133, 1259-1269	5
1120	Analysis of oxidation degree of graphite oxide and chemical structure of corresponding reduced graphite oxide by selecting different-sized original graphite 2018 , 8, 17209-17217	47
1119	Triethylenetetramine/hydroxyethyl cellulose-functionalized graphene oxide monoliths for the removal of copper and arsenate ions. 2018 , 19, 381-395	15

1118	Preparation and tribological properties of graphene oxide doped alumina composite coatings. 2018 , 352, 411-419	16
1117	Dye-Sensitized Solar Cells Based on an N-Doped TiO2 and TiO2-Graphene Composite Electrode. 2018 , 47, 6241-6250	7
1116	Polysulfide/Graphene Nanocomposite Film for Simultaneous Electrochemical Determination of Cadmium and Lead Ions. 2018 , 13, 1850090	7
1115	Solvothermal Reduction of Graphite Oxide Using Alcohols. 2018 , 21,	13
1114	Nanoconfined Nickel@Carbon Core-Shell Cocatalyst Promoting Highly Efficient Visible-Light Photocatalytic H Production. 2018 , 14, e1801705	36
1113	Transparent write-once-read-many-times memory devices based on an ITO/EVA:rGO/ITO structure. 2018 , 29, 17517-17524	2
1112	Three-Dimensional Hierarchical Porous Structure of PPy/Porous-Graphene to Encapsulate Polysulfides for Lithium/Sulfur Batteries. 2018 , 8,	15
1111	Compatibilizing and reinforcing an immiscible blend based on poly(lactic acid) with delaminated graphite: From raw graphite to enhanced polymer mechanical properties. 2018 , 135, 46821	2
1110	Dynamic mechanical and optical characterization of PVC/fGO polymer nanocomposites. 2018, 124, 1	37
1109	Fast synthesis of graphite oxide via modified chlorate route. 2018,	
1108	A combined experimental and electronic-structure quantum mechanics approach for studying the kinetics and adsorption characteristics of zinc nitrate hexahydrate corrosion inhibitor on the graphene oxide nanosheets. 2018 , 462, 963-979	37
1107	Synthesis of reduced Graphene Oxide (rGO) using different treatments of Graphene Oxide (GO). 2018 , 358, 012046	15
1106	Enzyme Immobilization on Functionalized Graphene Oxide Nanosheets: Efficient and Robust	16
	Biocatalysts. 2018 , 609, 371-403	
1105	On the ZnO/graphene quantum dots (GQDs) based dye sensitized solar cells. 2018,	
1105	On the ZnO/graphene quantum dots (GQDs) based dye sensitized solar cells. 2018, Cement-Based Materials Containing Graphene Oxide and Polyvinyl Alcohol Fiber: Mechanical	27
	On the ZnO/graphene quantum dots (GQDs) based dye sensitized solar cells. 2018 , Cement-Based Materials Containing Graphene Oxide and Polyvinyl Alcohol Fiber: Mechanical	
1104	On the ZnO/graphene quantum dots (GQDs) based dye sensitized solar cells. 2018, Cement-Based Materials Containing Graphene Oxide and Polyvinyl Alcohol Fiber: Mechanical Properties, Durability, and Microstructure. 2018, 8, Chemical Modifications of Porous Carbon Nanospheres Obtained from Ubiquitous Precursors for	27

1100	Systematic study of graphene oxide production using factorial design techniques and its application to the adsorptive removal of methylene blue dye in aqueous medium. 2018 , 5, 065042	19
1099	Efficient preparation of cetyltrimethylammonium bromide-graphene oxide composite and its adsorption of Congo red from aqueous solutions. 2018 , 554, 227-236	34
1098	Prussian Blue analogue supported on sulfur-doped carbon nitride as an enhanced heterogeneous catalyst for activating peroxymonosulfate. 2018 , 529, 161-170	20
1097	Ambient Condition Production of High Quality Reduced Graphene Oxide. 2018, 5, 1800737	9
1096	Correlation between Molecular Structure and Interfacial Properties of Edge or Basal Plane Modified Graphene Oxide. 2018 , 1, 2763-2773	31
1095	One-step fabrication of cobalt-embedded carbon nitride as a magnetic and efficient heterogeneous catalyst for activating oxone to degrade pollutants in water. 2019 , 210, 1-9	17
1094	2D material as anode for sodium ion batteries: Recent progress and perspectives. 2019 , 16, 323-343	148
1093	Graphene Family Materials for the Removal of Pesticides from Water. 2019 , 309-327	8
1092	Removal of Arsenic from Water Using Graphene Oxide Nano-hybrids. 2019 , 221-237	5
1091	A New Generation Material Graphene: Applications in Water Technology. 2019 ,	15
1091	A New Generation Material Graphene: Applications in Water Technology. 2019, Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019, 463, 403-411	15 25
	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong	
1090	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019 , 463, 403-411 Dispersive micro solid-phase extraction (DúSPE) with graphene oxide as adsorbent for sensitive	25
1090	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019 , 463, 403-411 Dispersive micro solid-phase extraction (DµSPE) with graphene oxide as adsorbent for sensitive elemental analysis of aqueous samples by laser induced breakdown spectroscopy (LIBS). 2019 , 191, 162-170 Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions	25 32
1090 1089 1088	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019, 463, 403-411 Dispersive micro solid-phase extraction (DµSPE) with graphene oxide as adsorbent for sensitive elemental analysis of aqueous samples by laser induced breakdown spectroscopy (LIBS). 2019, 191, 162-170 Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions Adsorption. 2019, 9, Enhanced light-driven water splitting by fast electron transfer in 2D/2D reduced graphene	25 32 3
1090 1089 1088 1087	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019, 463, 403-411 Dispersive micro solid-phase extraction (DµSPE) with graphene oxide as adsorbent for sensitive elemental analysis of aqueous samples by laser induced breakdown spectroscopy (LIBS). 2019, 191, 162-170 Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions Adsorption. 2019, 9, Enhanced light-driven water splitting by fast electron transfer in 2D/2D reduced graphene oxide/tungsten trioxide heterojunction with preferential facets. 2019, 555, 413-422 Graphene Effect on the Mechanical Properties of Poly (Ethylene Oxide)/ Graphene Oxide	25 32 3
1090 1089 1088 1087	Graphene oxide/waterborne polyurethane composites for fine pattern fabrication and ultrastrong ultraviolet protection cotton fabric via screen printing. 2019, 463, 403-411 Dispersive micro solid-phase extraction (DµSPE) with graphene oxide as adsorbent for sensitive elemental analysis of aqueous samples by laser induced breakdown spectroscopy (LIBS). 2019, 191, 162-170 Solvent-Free Synthesis of Phosphonic Graphene Derivative and Its Application in Mercury Ions Adsorption. 2019, 9, Enhanced light-driven water splitting by fast electron transfer in 2D/2D reduced graphene oxide/tungsten trioxide heterojunction with preferential facets. 2019, 555, 413-422 Graphene Effect on the Mechanical Properties of Poly (Ethylene Oxide)/ Graphene Oxide Nanocomposites Using Ultrasound Technique. 2019, 1234, 012011	25 32 3 33 3

1082	A new simple electrochemical method for the determination of Bisphenol A using bentonite as modifier. 2019 , 105, 110048	11
1081	Electric field induced tunable memristive characteristics of exfoliated graphene oxide embedded polymer nanocomposites. 2019 , 126, 025501	14
1080	Sustainable Drug Delivery of Famotidine Using Chitosan-Functionalized Graphene Oxide as Nanocarrier. 2019 , 3, 1900002	9
1079	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. 2019 , 75, 100786	247
1078	Fabrication of a quartz crystal microbalance sensor based on graphene oxide/TiO2 composite for the detection of chemical vapors at room temperature. 2019 , 493, 250-260	14
1077	Study on boron and nitrogen co-doped graphene xerogel for high-performance electrosorption application. 2019 , 23, 2377-2390	14
1076	Electrochemical chiral interface based on the Michael addition/Schiff base reaction of polydopamine functionalized reduced graphene oxide. 2019 , 319, 705-715	27
1075	Utilizing ammonium persulfate assisted expansion to fabricate flexible expanded graphite films with excellent thermal conductivity by introducing wrinkles. <i>Carbon</i> , 2019 , 153, 565-574	19
1074	Dielectric Behavior of PZT/Graphene Oxide Composites. 2019 , 216, 1900108	1
1073	Asymmetrically synchronous reduction and assembly of graphene oxide film on metal foil for moisture responsive actuator. 2019 , 30, 445601	3
1072	Porous graphene oxide/chitosan nanocomposites based on interfacial chemical interactions. 2019 , 119, 114-119	13
1071	In Situ Green Synthesis of the New Sandwichlike Nanostructure of MnO/Graphene as Lubricant Additives. 2019 , 11, 36931-36938	30
1070	Palladium nanoparticles supported on graphene acid: a stable and eco-friendly bifunctional CII homo- and cross-coupling catalyst. 2019 , 21, 5238-5247	23
1069	Study on efficient and green reduction of graphene oxide by a one-step hydrothermal method. 2019 , 1213, 052047	
1068	Synthesis, Properties, and Applications of Graphene. 2019 , 25-90	7
1067	All-Inkjet-Printed Vertical Heterostructure for Wafer-Scale Electronics. 2019 , 13, 8213-8221	8
1066	The Correlation Between Molecular Structure and Tribological Properties of Graphene Oxide with Different Oxidation Degree. 2019 , 67, 1	11
1065	Liquid-Phase Exfoliation of Kaolinite by High-Shear Mixer with Graphite Oxide as an Amphiphilic Dispersant. 2019 , 35, 13833-13843	5

1064	Nanoparticle-Based Hybrid Scaffolds for Deciphering the Role of Multimodal Cues in Cardiac Tissue Engineering. 2019 , 13, 12525-12539	44
1063	Design of 2D Nanocrystalline Fe2Ni2N Coated onto Graphene Nanohybrid Sheets for Efficient Electrocatalytic Oxygen Evolution. 2019 , 2, 8502-8510	11
1062	Graphene-Oxide-Modified Lanthanide Nanoprobes for Tumor-Targeted Visible/NIR-II Luminescence Imaging. 2019 , 58, 18981-18986	64
1061	A novel multiwalled LiF@GO@SiO2 microcapsule with high phase change temperature. 2019 , 203, 110188	6
1060	Graphene aerogels for oil absorption. 2019 , 173-197	5
1059	Homogeneous graphene oxide production with the variance reduction techniques: Taguchi method with the principal component analysis. 2019 , 104, 102967	8
1058	Microstructural Evolution and Corrosion Behavior of ZnNi-Graphene Oxide Composite Coatings. 2019 , 50, 5896-5913	16
1057	An approach to prepare uniform graphene oxide/aluminum composite powders by simple electrostatic interaction in water/alcohol solution. 2019 , 13, 375-381	1
1056	An easy and eco-friendly method to fabricate three-dimensional Pd-M (Cu, Ni) nanonetwork structure decorated on the graphene nanosheet with boosted ethanol electrooxidation activity in alkaline medium. 2019 , 44, 28821-28832	15
1055	A self-powered moisture detector using graphene oxide film constructed by asymmetric metal electrodes. 2019 , 810, 151880	4
1054	Microstructure Evolution and Corrosion Properties of Electrodeposited SnZn Coatings containing Graphene-Oxide. 2019 , 25, 746-747	
1053	Nanotechnology for Defence Applications. 2019 ,	5
1052	Synthesis and characterization of GO coupled SrS material with a study of luminescence properties. 2019 ,	
1051	Three-Dimensional Graphene-Based Structures: Production Methods, Properties, and Applications. 2019 , 359-387	3
1050	Structural Design of Three-Dimensional Graphene/Nano Filler (AlO, BN, or TiO) Resins and Their Application to Electrically Conductive Adhesives. 2019 , 11,	2
1049	Continuous Graphene Oxide Fiber and Its Applications. 2019 , 409-431	
1048	Graphene-Oxide-Modified Lanthanide Nanoprobes for Tumor-Targeted Visible/NIR-II Luminescence Imaging. 2019 , 131, 19157-19162	10
1047	Preparation of an Anti-Aggregation Silica/Zinc/Graphene Oxide Nanocomposite with Enhanced Adsorption Capacity. 2019 , 25, 16340-16349	6

1046	Polyethylene glycol supported by phosphorylated polyvinyl alcohol/graphene aerogel as a high thermal stability phase change material. 2019 , 179, 107545	56
1045	Bioinspired Graphene Oxide Membranes with Dual Transport Mechanisms for Precise Molecular Separation. 2019 , 29, 1905229	43
1044	One step synthesis of graphene quantum dots, graphene nanosheets and carbon nanospheres: investigation of photoluminescence properties. 2019 , 6, 105615	6
1043	Chemical Sensor Properties and Mathematical Modeling of Graphene Oxide Langmuir-Blodgett Thin Films. 2019 , 19, 9097-9104	10
1042	New approach for biological synthesis of reduced graphene oxide. 2019 , 151, 107331	10
1041	Combined high degree of carboxylation and electronic conduction in graphene acid sets new limits for metal free catalysis in alcohol oxidation. 2019 , 10, 9438-9445	13
1040	Performance of composite coating on carbon steel [A Necessity. 2019, 157, 375-383	8
1039	Fabrication and Characterization of Modified Graphene Oxide/PAN Hybrid Nanofiber Membrane. 2019 , 9,	10
1038	Controlled synthesis of reduced graphene oxide supported magnetically separable Fe3O4@rGO@AgI ternary nanocomposite for enhanced photocatalytic degradation of phenol. 2019 , 356, 547-558	27
1037	An investigation on surface modified TiO2 incorporated with graphene oxide for dye-sensitized solar cell. 2019 , 191, 663-671	12
1036	Cross-nanoflower CoS2 in-situ self-assembled on rGO sheet as advanced anode for lithium/sodium ion battery. 2019 , 326, 134992	25
1035	Graphene-Based Catalysts for Ozone Processes to Decontaminate Water. 2019 , 24,	9
1034	Preparation of a PCM Microcapsule with a Graphene Oxide Platelet-Patched Shell and Its Thermal Camouflage Applications. 2019 , 58, 19090-19099	13
1033	The role of interface in gas barrier properties of styrene butadiene rubber-reduced graphene oxide composites. 2019 , 182, 121816	17
1032	Reduced graphene oxide thin film prepared by electrostatic spray deposition technique. 2019 , 226, 302-308	6
1031	Efficacy of shape-monitored reduced graphene oxidellopper nanohybrids: anti-bacterial attributes for food safety and dye degradation studies. 2019 , 43, 662-674	8
1030	Synthesis, First-Principle Simulation, and Application of Three-Dimensional Ceria Nanoparticles/Graphene Nanocomposite for Non-Enzymatic Hydrogen Peroxide Detection. 2019 , 166, H3167-H3174	25
1029	Environmental impact of the production of graphene oxide and reduced graphene oxide. 2019 , 1, 1	13

1028	Efficient synthesis of graphene oxide by Hummers method assisted with an electric field. 2019 , 6, 055602	5
1027	A nanocomposite consisting of graphene oxide, zeolite imidazolate framework 8, and a molecularly imprinted polymer for (multiple) fiber solid phase microextraction of sterol and steroid hormones prior to their quantitation by HPLC. 2019 , 186, 129	24
1026	Graphene aerogel derived by purification-free graphite oxide for high performance supercapacitor electrodes. <i>Carbon</i> , 2019 , 146, 147-154	23
1025	Copper nanoparticles anchored onto boron-doped graphene nanosheets for use as a high performance asymmetric solid-state supercapacitor 2019 , 9, 3443-3461	13
1024	2D/2D heterostructures of nickel molybdate and MXene with strong coupled synergistic effect towards enhanced supercapacitor performance. 2019 , 414, 540-546	50
1023	Facile fabrication of highly conductive and robust three-dimensional graphene/silver nanowires bicontinuous skeletons for electromagnetic interference shielding silicone rubber nanocomposites. 2019 , 119, 101-110	42
1022	Graphene Oxide Synergistically Enhances Antibiotic Efficacy in Vancomycin-Resistant 2019 , 2, 1148-1157	20
1021	Waterborne reduced graphene oxide dispersed bio-polyesteramide nanocomposites: an approach towards eco-friendly anticorrosive coatings. 2019 , 43, 4706-4720	16
1020	Graphite to Graphene: Green Synthesis Using Opuntia ficus-indica. 2019 , 48, 1553-1561	5
1019	Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. 2019 , 10, 1244-1253	32
1018	A new paradigm of ultrathin 2D nanomaterial adsorbents in aqueous media: graphene and GO, MoS2, MXenes, and 2D MOFs. 2019 , 7, 16598-16621	57
1017	Facile preparation of a collagen-graphene oxide composite: A sensitive and robust electrochemical aptasensor for determining dopamine in biological samples. 2019 , 135, 400-406	22
1016	Porous nano-silicon/TiO2/rGO@carbon architecture with 1000-cycling lifespan as superior durable anodes for lithium-ion batteries. 2019 , 25, 4675-4684	4
1015	Structure and synthesis of graphene oxide. 2019 , 27, 2251-2260	43
1014	Highly sensitive and selective Love mode surface acoustic wave ammonia sensor based on graphene oxides operated at room temperature. 2019 , 54, 11925-11935	12
1013	Strategies for tuning hierarchical porosity of 3D rGO to optimize ion electrosorption. 2019 , 6, 045010	11
1012	Reduced graphene oxide based supercapacitors: Study of self-discharge mechanisms, leakage current and stability via voltage holding tests. 2019 , 253, 250-254	8
1011	Programing polyurethane with systematic presence of graphene-oxide (GO) and reduced graphene-oxide (rGO) platelets for adjusting of heat-actuated shape memory properties. 2019 , 118, 619-632	26

1010	Controllable Formation of Luminescent Carbon Quantum Dots Mediated by the Fano Resonances Formed in Oligomers of Gold Nanoparticles. 2019 , 31, e1901371		13
1009	Fabrication of Stable and Flexible Nanocomposite Membranes Comprised of Cellulose Nanofibers and Graphene Oxide for Nanofluidic Ion Transport. 2019 , 2, 4193-4202		12
1008	Bioinspired silver nanoparticles/reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol, organic dyes and act as energy storage electrode material. 2019 , 173, 106924		31
1007	Poly(vinyl alcohol)-based crosslinked ternary polymer blend doped with sulfonated graphene oxide as a sustainable composite membrane for direct borohydride fuel cells. 2019 , 432, 92-101		35
1006	Tunable dispersibility and wettability of graphene oxide through one-pot functionalization and reduction. 2019 , 552, 771-780		10
1005	Anomalous dielectric constant value of graphene oxide/Polyvinyl alcohol thin film. 2019 , 94, 28-34		8
1004	Self-assembled graphene oxide-graphene hybrids for enhancing the corrosion resistance of waterborne epoxy coating. 2019 , 488, 801-812		45
1003	Tuning of electrical hysteresis in PMMA/GOs/PMMA multi-stacked devices. 2019 , 6, 085108		7
1002	Bipolar Exfoliation and in Situ Deposition of High-Quality Graphene for Supercapacitor Application. 2019 , 2, 4813-4820		22
1001	Highly sensitive and selective label-free detection of dopamine in human serum based on nitrogen-doped graphene quantum dots decorated on Au nanoparticles: Mechanistic insights through microscopic and spectroscopic studies. 2019 , 490, 318-330		21
1000	Facile synthesis of IrO/rGO nanocomposites with high peroxidase-like activity for sensitive colorimetric detection of low weight biothiols. 2019 , 203, 227-234		29
999	Tunable degree of oxidation in graphene oxide: cost effective synthesis, characterization and process optimization. 2019 , 6, 085625		4
998	Remote monitoring of seawater temperature and pH by low cost sensors. 2019 , 148, 248-252		15
997	Polyaniline coated hematite sand supported on graphene oxide (HS@PANI-GO) as a new magnetic material for advanced catalytic oxidation based on sulfate radicals: optimization using response surface methodology. 2019 , 94, 2609-2620		7
996	Highly efficient flame retardant and smoke suppression mechanism of boron modified graphene Oxide/Poly(Lactic acid) nanocomposites. <i>Carbon</i> , 2019 , 150, 8-20	10.4	49
995	Hierarchically 3D structured milled lamellar MoS2/nano-silicon@carbon hybrid with medium capacity and long cycling sustainability as anodes for lithium-ion batteries. 2019 , 35, 1840-1850		10
994	Facile synthesis of highly favorable graphene oxide: Effect of oxidation degree on the structural, morphological, thermal and electrochemical properties. 2019 , 6, 100344		24
993	Graphite oxidation chemistry is relevant for designing cleaning strategies for radiocarbon dating samples. 2019 , 11, 2880-2887		1

992	In-situ synthesis of self Ti3+ doped TiO2/RGO nanocomposites as efficient photocatalyst to remove organic dyes from wastewater under direct sunlight irradiation. 2019 , 6, 0850d2	5
991	Improved Hole Injection in Bulk Heterojunction (BHJ) Hybrid Solar Cells by Applying a Thermally Reduced Graphene Oxide Buffer Layer. 2019 , 2019, 1-10	4
990	Formation of graphene oxide from carbon rods of zinc-carbon battery wastes by audiosonic sonication assisted by commercial detergent. 2019 , 2, 89-94	6
989	Fluorescence based comparative study of interaction of perylene with nitrogen doped graphene quantum dots and graphene oxide sheets. 2019 ,	1
988	The role of physical structure and morphology on the photodegradation behaviour of polypropylene-graphene oxide nanocomposites. 2019 , 176, 146-158	15
987	In situ microwave-assisted oxidation of graphite into partially oxidized graphite nanoparticles for microwave-sorptive removal of anionic and cationic dyes. 2019 , 288, 110979	12
986	The Use of Magnetic Multiwalled Carbon Nanotubes Functionalized with Chitosan for Nitrate Removal from Wastewater. 2019 , 2, 321-333	5
985	Graphene quantum dot arrays: Pros and cons of photodetection in the Coulomb blockade regime. Carbon, 2019, 149, 499-511	5
984	Purification, application and current market trend of natural graphite: A review. 2019 , 29, 671-689	101
983	Universal Method for Producing Reduced Graphene Oxide/Gold Nanoparticles Composites with Controlled Density of Grafting and Long-Term Stability. 2019 , 9,	6
982	Plasmonic properties of gold nanospheres coupled to reduced graphene oxide for biosensing applications *. 2019 ,	2
981	Emerging Trends in the Syntheses of Heterocycles Using Graphene-based Carbocatalysts: An Update. 2019 , 377, 13	10
980	Synthesis and properties of fluorinated graphene oxide bisphenol a epoxy nanocomposites. 2019 , 59, 1250-1257	0
979	The Synthesis of Chitosan Decorated Reduced Graphene Oxide-Ferrocene Nanocomposite and its Application in Electrochemical Detection Rhodamine B. 2019 , 31, 1421-1428	2
978	Study on UV-protection and hydrophobic properties of cotton fabric functionalized by graphene oxide and silane coupling agent. 2019 , 48, 237-242	4
977	Electrospun Graphene OxideDoped Nanofiber-Based Solid Phase Extraction Followed by High-Performance Liquid Chromatography for the Determination of Tetracycline Antibiotic Residues in Food Samples. 2019 , 12, 1594-1603	17
976	Enhanced thermoelectric power factor of Na1.2Co1.8Ag0.2O4 with reduced graphene oxide synthesized by the polymerized complex method and solid-state reaction. 2019 , 249, 1-4	2
975	Adsorption of radionuclides on carbon-based nanomaterials. 2019 , 141-215	2

974	Controlled Self-Assembled NiFe Layered Double Hydroxides/Reduced Graphene Oxide Nanohybrids Based on the Solid-Phase Exfoliation Strategy as an Excellent Electrocatalyst for the Oxygen Evolution Reaction. 2019 , 11, 13545-13556	40
973	Room temperature production of graphene oxide with thermally labile oxygen functional groups for improved lithium ion battery fabrication and performance. 2019 , 7, 9646-9655	16
972	Graphene nanoflakes with optimized nitrogen doping fabricated by arc discharge as highly efficient absorbers toward microwave absorption. <i>Carbon</i> , 2019 , 148, 204-213	74
971	Improved DSSC photovoltaic performance using reduced graphene oxidellarbon nanotube/platinum assisted with customised triple-tail surfactant as counter electrode and zinc oxide nanowire/titanium dioxide nanoparticle bilayer nanocomposite as photoanode. 2019 , 4, 17-31	2
970	Graphene-based supercapacitor electrodes: Addressing challenges in mechanisms and materials. 2019 , 17, 42-48	34
969	Challenges and prospects in the catalysis of electroreduction of nitrogen to ammonia. 2019 , 2, 290-296	557
968	Decontamination of organic pollutants from aqueous media using cotton fiber-graphene oxide composite, utilizing batch and filter adsorption techniques: a comparative study 2019 , 9, 5770-5785	11
967	Optimization the selectivity property of graphene oxide modified dimensionally stable anode (DSA) produced by the solgel method. 2019 , 90, 547-564	3
966	Literature Review. 2019, 17-81	
965	Moringa oleifera Leaf Extract Mediated Reduced Graphene Oxide/ENi(OH)2 Nanocomposite for Asymmetric Supercapacitors. 2019 , 49, 348-359	8
965 964		8
	Asymmetric Supercapacitors. 2019 , 49, 348-359 Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules	
964	Asymmetric Supercapacitors. 2019 , 49, 348-359 Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules Possessing Extremely Low Dielectric Behavior. 2019 , 35, 4672-4681	8
964 963	Asymmetric Supercapacitors. 2019, 49, 348-359 Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules Possessing Extremely Low Dielectric Behavior. 2019, 35, 4672-4681 Graphene confined MoS2 particles for accelerated electrocatalytic hydrogen evolution. 2019, 44, 8070-8078 Synergistic adsorption and visible-light catalytic degradation of RhB from recyclable 3D	8
964 963 962	Asymmetric Supercapacitors. 2019, 49, 348-359 Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules Possessing Extremely Low Dielectric Behavior. 2019, 35, 4672-4681 Graphene confined MoS2 particles for accelerated electrocatalytic hydrogen evolution. 2019, 44, 8070-8078 Synergistic adsorption and visible-light catalytic degradation of RhB from recyclable 3D mesoporous graphitic carbon nitride/reduced graphene oxide aerogels. 2019, 54, 8892-8906 The dual effects of RGO films in TiO2/CdSe heterojunction: Enhancing photocatalytic activity and	8 35 19
964 963 962 961	Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules Possessing Extremely Low Dielectric Behavior. 2019, 35, 4672-4681 Graphene confined MoS2 particles for accelerated electrocatalytic hydrogen evolution. 2019, 44, 8070-8078 Synergistic adsorption and visible-light catalytic degradation of RhB from recyclable 3D mesoporous graphitic carbon nitride/reduced graphene oxide aerogels. 2019, 54, 8892-8906 The dual effects of RGO films in TiO2/CdSe heterojunction: Enhancing photocatalytic activity and improving photocorrosion resistance. 2019, 481, 1515-1523	8 35 19 25
964963962961960	Sustainable in Situ Approach to Covalently Functionalize Graphene Oxide with POSS Molecules Possessing Extremely Low Dielectric Behavior. 2019, 35, 4672-4681 Graphene confined MoS2 particles for accelerated electrocatalytic hydrogen evolution. 2019, 44, 8070-8078 Synergistic adsorption and visible-light catalytic degradation of RhB from recyclable 3D mesoporous graphitic carbon nitride/reduced graphene oxide aerogels. 2019, 54, 8892-8906 The dual effects of RGO films in TiO2/CdSe heterojunction: Enhancing photocatalytic activity and improving photocorrosion resistance. 2019, 481, 1515-1523 Microstructure and corrosion properties of zinc-graphene oxide composite coatings. 2019, 152, 234-248 Ultra-robust and high-toughness graphene oxide papers via synergistic strengthening by addition	8 35 19 25 47

956	Study on the Effect of Graphene Oxide with Low Oxygen Content on Portland Cement Based Composites. 2019 , 12,	13
955	Printed Flexible Sensors. 2019,	1
954	TiOIDecorated Graphene as a Fluorescent Chemosensor for the Detection of Silver Ions. 2019 , 19, 5189-5194	6
953	An alternative synthesis route to graphene oxide: influence of surface chemistry on charge transport in epoxy-based composites. 2019 , 54, 8302-8318	13
952	An electrochemical outlook upon the gaseous ethanol sensing by graphene oxide-SnO2 hybrid materials. 2019 , 483, 1081-1089	13
951	One-step synthesis and characterization of reduced graphene oxide using chemical exfoliation method. 2019 , 12, 233-239	29
950	Highly Controlled Integration of Graphene Oxide into PAN Nanofiber Membranes. 2019 , 9, 962	5
949	Measurements of synthesized graphene oxides electrophoresed deposition for ultrasensitive humidity detection. 2019 , 243, 149-157	
948	Carbonized polydopamine nanoparticle reinforced graphene films with superior thermal conductivity. <i>Carbon</i> , 2019 , 149, 173-180	27
947	Graphene-ferrocene functionalized cyclodextrin composite with high electrochemical recognition capability for phenylalanine enantiomers. 2019 , 128, 74-82	28
946	A High Energy Density Azobenzene/Graphene Oxide Hybrid with Weak Nonbonding Interactions for Solar Thermal Storage. 2019 , 9, 5224	17
945	Improved Performance of Graphene in Heat Dissipation when Combined with an Orientated Magnetic Carbon Fiber Skeleton under Low-Temperature Thermal Annealing. 2019 , 12,	1
944	Facile synthesis of graphene oxide-wrapped CNFs as high-performance microwave absorber. 2019 , 45, 12895-12902	13
943	One-pot hydrothermal synthesis of MoSe2 nanosheets spheres-reduced graphene oxide composites and application for high-performance supercapacitor. 2019 , 30, 8537-8545	13
942	Microstructure and corrosion properties of NiCo-graphene oxide composite coatings. 2019, 677, 45-54	29
941	The solvent-free mechanochemical synthesis of mildly oxidized graphene oxide and its application as a novel conductive surfactant. 2019 , 43, 7057-7064	3
940	Composite Films of Waterborne Polyurethane and Few-Layer Graphene E nhancing Barrier, Mechanical, and Electrical Properties. 2019 , 3, 35	4
939	Enhanced electrochemical responses at supramolecularly modified graphene: Simultaneous determination of sulphasalazine and its metabolite 5-aminosalicylic acid. 2019 , 838, 186-194	10

938	One-step synthesis of Ag/SnO2/rGO nanocomposites and their trimethylamine sensing properties. 2019 , 114, 61-67	13
937	The impact of graphene oxide on cementitious composites. 2019 , 69-95	1
936	Preparation and characterization of magnetic graphene nanocomposite containing Cu(proline)2 as catalyst for asymmetric aldol reactions. 2019 , 45, 2641-2656	8
935	A comparative study of graphene oxide: Hummers, intermediate and improved method. 2019 , 13, 40-49	45
934	Matter, energy and information network of a graphene-peptide-based fluorescent sensing system for molecular logic computing, detection and imaging of cancer stem cell marker CD133 in cells and tumor tissues. 2019 , 144, 1881-1891	12
933	Preparation of gemini surfactant/graphene oxide composites and their superior performance for Congo red adsorption 2019 , 9, 4908-4916	14
932	Nucleation and growth controlled reduced graphene oxide upported palladium electrocatalysts for methanol oxidation reaction. 2019 , 9, 184798041982717	1
931	Largely enhanced oxidation of graphite flakes via ammonium persulfate-assisted gas expansion for the preparation of graphene oxide sheets. <i>Carbon</i> , 2019 , 146, 618-626	19
930	A Regular Self-Assembly Micro-Nano Structure Based on Sodium Carboxymethyl Cellulose-Reduced Graphene Oxide (rGO-EDA-CMC) for Electrochemical Chiral Sensor. 2019 , 166, B173-B182	9
929	Co-adsorption of an anionic dye in the presence of a cationic dye and a heavy metal ion by graphene oxide and photoreduced graphene oxide 2019 , 9, 5313-5324	19
928	Reduced graphene oxide: osteogenic potential for bone tissue engineering. 2019 , 13, 720-725	12
927	Silver nanoparticle-graphene oxide mixture as anti-bacterial against Staphylococcus aureus. 2019,	1
926	Characterization of Plasmonic Effects in AuNP+rGO Composite as a Sensing Layer for a Low-cost Lab-on-chip Biosensor. 2019 ,	1
925	A dual-criterion optimization for sulfonated asphalt-assisted aqueous phase exfoliation to prepare graphene suitable for protective coating of aluminium. 2019 , 6, 1250j2	2
924	Enhance the Optical Properties of the Synthesis PEG/Graphene- Based Nanocomposite films using GO nanosheets. 2019 , 1294, 022029	6
923	Self-Cleaning Nanoscale Coating for the Separation of OilWater Mixture. 2019 , 9, 860	3
922	Photoelectrochemical Dopamine Sensor Based on Cu-Doped Bi2WO6´Micro-Flowers Sensitized Cobalt Tetraaminophthalocyanine Functionalized Graphene Oxide. 2019 , 166, B1612-B1619	14
921	Applicability of Goethite/Reduced Graphene Oxide Nanocomposites to Remove Lead from Wastewater. 2019 , 9,	3

920	A glassy carbon electrode modified with reduced graphene oxide and gold nanoparticles for electrochemical aptasensing of lipopolysaccharides from Escherichia coli bacteria. 2019 , 186, 787	41
919	Synthesis and Characterization of Magnetic Fe3O4/Reduced Graphene Oxide and its Application in Determination of Dopamine. 2019 , 31, 2785-2792	3
918	Semi-automatic instrumentation for nucleic acid extraction and purification to quantify pathogens on surfaces. 2019 , 144, 6586-6594	6
917	Room-temperature photodetectors and VOC sensors based on graphene oxide-ZnO nano-heterojunctions. 2019 , 11, 22932-22945	31
916	Janus electrochemical exfoliation of two-dimensional materials. 2019 , 7, 25691-25711	23
915	Functional Graphene Derivatives for Chemotherapy-Based Synergistic Tumor Therapy. 2019 , 14, 1930006	4
914	Long-term corrosion protection of Q235 steel by graphene oxide composite coating. 2019 , 7, 045022	4
913	Synthesis of polyaniline/graphene composite and its application in zinc-rechargeable batteries. 2019 , 23, 3373-3382	17
912	High flux hyperbranched starch-graphene oxide piperazinamide composite nanofiltration membrane. 2019 , 7, 103300	22
911	Sodium Fluoride-Assisted Hydrothermal Exfoliation of Graphite into Graphene as Filler of Epoxy Resin Coating To Protect Aluminum. 2019 , 123, 27969-27977	4
910	Dynamic surface properties of PEG-coated CuS nanoparticles alter their interaction with cells as revealed by surface-enhanced infrared spectroscopy. 2019 , 1, 4268-4276	1
909	Entrapment and stabilization of iron nanoparticles within APTES modified graphene oxide sheets for catalytic activity improvement. 2019 , 771, 1090-1102	21
908	Improving the retention and reusability of Alpha-amylase by immobilization in nanoporous polyacrylamide-graphene oxide nanocomposites. 2019 , 122, 1253-1261	16
907	High dielectric permittivity and low loss of polyvinylidene fluoride filled with carbon additives: Expanded graphite versus reduced graphene oxide. 2019 , 31, 778-784	3
906	Influence of (photo)bromination on the transformation, aggregation and sedimentation of graphene oxide. 2019 , 355, 487-497	10
905	Preparation and adsorption property of graphene oxide by using waste graphite from diamond synthesis industry. 2019 , 221, 47-57	23
904	Synthesis of PMMA/modified graphene oxide nanocomposite pour point depressant and its effect on the flow properties of Indian waxy crude oil. 2019 , 235, 1245-1259	37
903	Magnetic dispersive solid phase microextraction technique coupled with LCMS/MS for evaluating content versus label claims in ephedrine-free food supplements. 2019 , 14, 275-282	2

902	Novel palladium-guanine-reduced graphene oxide nanocomposite as efficient electrocatalyst for methanol oxidation reaction. 2019 , 112, 213-220	12
901	Facile and Green Synthesis of Graphene-Based Conductive Adhesives via Liquid Exfoliation Process. 2018 , 9,	4
900	Enzymatic degradation, electronic, and thermal properties of graphite- and graphene oxide-filled biodegradable polylactide/poly(µ-caprolactone) blend composites. 2019 , 136, 47387	5
899	Green and facile synthesis of Rh/GO nanocomposites for high catalytic performance. 2019 , 471, 929-934	26
898	Development of graphene-drug nanoparticle based supramolecular self assembled pH sensitive hydrogel as potential carrier for targeting MDR tuberculosis. 2019 , 34, 324-335	15
897	Fabrication of polyacrylonitrile/Ecyclodextrin/graphene oxide nanofibers composite as an efficient adsorbent for cationic dye. 2019 , 11, 100207	16
896	Continuous Synthesis of Structurally Uniform Graphene Oxide Materials in a Model Taylor©ouette Flow Reactor. 2019 , 58, 1167-1176	9
895	Graphene oxide-based zirconium oxide nanocomposite for enhanced visible light-driven photocatalytic activity. 2019 , 45, 1689-1705	20
894	A comparative outlook of corrosion behaviour and chlorophyll assisted growth kinetics of various carbon nano-structure reinforced hydroxyapatite-calcium orthophosphate coating synthesized in-situ through pulsed electrochemical deposition. 2019 , 475, 28-42	13
893	Lithiation-Aided Conversion of End-of-Life Lithium-Ion Battery Anodes to High-Quality Graphene and Graphene Oxide. 2019 , 19, 512-519	51
892	Self-supporting graphene oxide films preparation and characterization methods. 2019, 160, 1-11	30
891	Synthesis of P-Doped and NiCo-Hybridized Graphene-Based Fibers for Flexible Asymmetrical Solid-State Micro-Energy Storage Device. 2019 , 15, e1803469	25
890	Role of free volumes in conducting properties of GO and rGO filled PVA-PEDOT:PSS composite free standing films: A positron annihilation lifetime study. 2019 , 126, 242-256	15
889	Synthesis of three dimensional N&S co-doped rGO foam with high capacity and long cycling stability for supercapacitors. 2019 , 537, 57-65	22
888	Review on graphene and its derivatives: Synthesis methods and potential industrial implementation. 2019 , 98, 163-180	182
887	Improving the performance of inverted polymer solar cells by the efficiently doping and modification of electron transport layer-ZnO. 2019 , 65, 311-320	19
886	Reduction of graphene oxide thin films using a stepwise thermal annealing assisted by l-ascorbic acid. 2019 , 92, 242-247	15
885	Surface roughness regulation of reduced-graphene oxide/iodine - Based electrodes and their application in polymer solar cells. 2019 , 540, 272-284	13

ć	884	Adsorptive removal of dye from real textile wastewater using graphene oxide produced via modifications of hummers method. 2019 , 206, 1375-1387	20	
	883	Polyethylene glycol functionalized graphene oxide and its influences on properties of Poly(lactic acid) biohybrid materials. 2019 , 161, 651-658	26	
(882	Graphene oxide synthesis using microwave-assisted vs. modified Hummer's methods: Efficient fillers for improved ionic conductivity and suppressed methanol permeability in alkaline methanol fuel cell electrolytes. 2019 , 414, 86-95	24	
8	881	Chemical Preparation and Functionalization Techniques of Graphene and Graphene Oxide. 2019 , 1-20	6	
ě	880	Highly oxidized and exfoliated graphene using a modified Tour approach. 2019 , 30, 3973-3983	4	
8	879	Heterogeneous oxidization of graphene nanosheets damages membrane. 2019 , 62, 1	12	
8	878	The investigation of the electromagnetic shielding effectiveness of multi-layered nanocomposite materials from reduced graphene oxide-doped P(AN-VAc) nanofiber mats/PP spunbond. 2019 , 53, 1541-1553	8	
	877	Reinforcement and workability aspects of graphene-oxide-reinforced cement nanocomposites. 2019 , 161, 68-76	69	
8	876	Production and properties of top-down and bottom-up graphene oxide. 2019 , 561, 315-324	11	
8	875	An integrated strategy towards the high-yield fabrication of soluble boron nitride nanosheets. 2019 , 360, 1407-1415	12	
8	874	Functionalization of Graphene Oxide via Gamma-Ray Irradiation for Hydrophobic Materials. 2019 , 177-203	13	
8	873	Understanding the cross-linking reactions in highly oxidized graphene/epoxy nanocomposite systems. 2019 , 54, 3035-3051	24	
8	872	Fast purification of graphene oxide solution by continuous counter current hollow fibre dialysis: A step towards large scale production. 2019 , 97, 1596-1604	1	
8	871	Chemical fabrication of graphene oxide nanosheets attenuates biofilm formation of human clinical pathogens. 2019 , 83, 326-335	17	
8	870	Application of RGO/CNT nanocomposite as cathode material in lithium-air battery. 2019 , 832, 165-173	10	
(869	Calorimetry of explosive thermal decomposition of graphite oxide. 2019 , 366, 275-281	7	
(868	Engineering of ZnO/rGO nanocomposite photocatalyst towards rapid degradation of toxic dyes. 2019 , 223, 456-465	74	
{	867	Synthesis and Characterization of Graphene/Binary Metal Molybdate (Graphene/Zn1⊠NixMoO4) Nanocomposite for Supercapacitors. 2019 , 216, 1800595	11	

866	Strontium incorporated hydroxyapatite/hydrothermally reduced graphene oxide nanocomposite as a cytocompatible material. 2019 , 45, 5475-5485		15
865	Polymer Composites with Functionalized Carbon Nanotube and Graphene. 2019 , 211-248		8
864	Sonochemical synthesis of bismuth(III) oxide decorated reduced graphene oxide nanocomposite for detection of hormone (epinephrine) in human and rat serum. 2019 , 51, 103-110		37
863	High thermal conductive and fire retarded film based on phosphaphenanthrene functionalized graphene. 2019 , 116, 72-78		6
862	Nanoparticle intercalation-modulated stretchable conductive graphene fibers with combined photoelectric properties. <i>Carbon</i> , 2019 , 141, 218-225	0.4	17
861	Ultrasonicated graphene oxide enhances bone and skin wound regeneration. 2019 , 94, 484-492		44
860	Low-cost and environment-friendly synthesis of carbon nanorods assembled hierarchical meso-macroporous carbons networks aerogels from natural apples for the electrochemical determination of ascorbic acid and hydrogen peroxide. 2019 , 1047, 36-44		22
859	Effect of hydrogen peroxide on properties of graphene oxide in Hummers method. <i>Carbon</i> , 2019 , 141, 515-522	0.4	93
858	Graphene Oxide Nano-Sheets-Supported Co(II)-d-Penicillamine as a Green and Highly Selective Catalyst for Epoxidation of Styrene. 2019 , 43, 85-94		3
857	A novel interfacial polymerization approach towards synthesis of graphene oxide-incorporated thin film nanocomposite membrane with improved surface properties. 2019 , 12, 75-87		33
856	Tuning of surface properties of poly(vinyl alcohol)/graphene oxide nanocomposites. 2019, 40, E312		11
855	Potential of metal monoliths with grown carbon nanomaterials as catalyst support in intensified steam reformer: a perspective. 2020 , 36, 459-491		4
854	Adsorption capacity comparison between graphene oxide and graphene nanoplatelets for the removal of coloured textile dyes from wastewater. 2020 , 41, 2360-2371		12
853	Green and Sustainable Manufacturing of Metallic, Ceramic and Composite Materials. 2020 , 474-486		4
852	Tailoring graphene reinforced thermoset and biothermoset composites. 2020 , 36, 623-652		5
851	Preparation of new PVC composite using green reduced graphene oxide and its effects in thermal and mechanical properties. 2020 , 77, 1929-1949		21
850	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. 2020 , 3, 395-43	0	39
849	Design and development of thiolated graphene oxide nanosheets for brain tumor targeting. 2020 , 69, 611-621		11

848	Graphene-based materials production and application in textile wastewater treatment: color removal and phytotoxicity using as bioindicator. 2020 , 55, 97-106	1
847	Functionalized sp2 carbon allotropes as fillers for rubber nanocomposites. 2020 , 43-92	
846	Designing a dual-functional epoxy composite system with self-healing/barrier anti-corrosion performance using graphene oxide nano-scale platforms decorated with zinc doped-conductive polypyrrole nanoparticles with great environmental stability and non-toxicity. 2020 , 382, 122819	74
845	Improving the flame retardancy of poly(lactic acid) using an efficient ternary hybrid flame retardant by dual modification of graphene oxide with phenylphosphinic acid and nano MOFs. 2020 , 384, 121260	23
844	High-quality preparation of graphene oxide via the Hummers' method: Understanding the roles of the intercalator, oxidant, and graphite particle size. 2020 , 46, 2392-2402	46
843	Laser induced graphene /ceramic membrane composite: Preparation and characterization. 2020 , 595, 117537	10
842	Synthesis of GO-Fe3O4-based ferrofluid and its lubrication performances. 2020 , 234, 1160-1167	1
841	Toward Sustainable Chemical Processing With Graphene-Based Materials. 2020 , 195-229	
840	Graphene oxide modified porous P84 co-polyimide membranes for boron recovery by bipolar membrane electrodialysis process. 2020 , 232, 115963	12
839	A Review on Graphene Fibers: Expectations, Advances, and Prospects. 2020 , 32, e1902664	126
839 838	A Review on Graphene Fibers: Expectations, Advances, and Prospects. 2020, 32, e1902664 Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020, 35, 69-74	126 9
	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved	
838	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020 , 35, 69-74 Detoxification of Aflatoxin B by magnetic graphene composite adsorbents from contaminated oils.	9
838	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020 , 35, 69-74 Detoxification of Aflatoxin B by magnetic graphene composite adsorbents from contaminated oils. 2020 , 381, 120915 Assessment on the mechanical, structural, and thermal attributes of green graphene-based water	9 27
8 ₃ 8 8 ₃ 7 8 ₃ 6	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020, 35, 69-74 Detoxification of Aflatoxin B by magnetic graphene composite adsorbents from contaminated oils. 2020, 381, 120915 Assessment on the mechanical, structural, and thermal attributes of green graphene-based water soluble polymer electrolyte composites. 2020, 137, 48376	9 27 1
8 ₃ 8 8 ₃ 7 8 ₃ 6	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020, 35, 69-74 Detoxification of Aflatoxin B by magnetic graphene composite adsorbents from contaminated oils. 2020, 381, 120915 Assessment on the mechanical, structural, and thermal attributes of green graphene-based water soluble polymer electrolyte composites. 2020, 137, 48376 Charge Transfer Modulated Activity of Carbon-Based Electrocatalysts. 2020, 10, 1901227 ZnS-Reduced Graphene Oxide Nanohybrid Materials as Photoanodes with Improved Photovoltaic	9 27 1 93
8 ₃ 8 8 ₃ 7 8 ₃ 6 8 ₃ 5	Electrophoretic deposition of bioglass/graphene oxide composite on Ti-alloy implants for improved antibacterial and cytocompatible properties. 2020, 35, 69-74 Detoxification of Aflatoxin B by magnetic graphene composite adsorbents from contaminated oils. 2020, 381, 120915 Assessment on the mechanical, structural, and thermal attributes of green graphene-based water soluble polymer electrolyte composites. 2020, 137, 48376 Charge Transfer Modulated Activity of Carbon-Based Electrocatalysts. 2020, 10, 1901227 ZnS-Reduced Graphene Oxide Nanohybrid Materials as Photoanodes with Improved Photovoltaic Performance. 2020, 31, 257-264 Recent advances in integration of 2D materials with soft matter for multifunctional robotic	9 27 1 93 2

830	Efficient Enrichment of Eu3+, Tb3+, La3+ and Sm3+ on a Double Core Shell Nano Composite Based Silica. 2020 , 30, 1537-1552		12
829	Key factors affecting graphene oxide transport in saturated porous media. 2020 , 698, 134224		16
828	An inorganic route to decorate graphene oxide with nanosilica and investigate its effect on anti-corrosion property of waterborne epoxy. 2020 , 31, 309-318		4
827	FLG/silver nanoparticles: Nanocomposite by green synthesis. 2020 , 101, 107618		6
826	Direct chemical conversion of continuous CVD graphene/graphite films to graphene oxide without exfoliation. <i>Carbon</i> , 2020 , 158, 202-209	0.4	17
825	One-pot redox synthesis of graphene from waste graphite of spent lithium ion batteries with peracetic acid assistance. 2020 , 241, 122397		13
824	Significantly enhanced capacitance deionization performance by coupling activated carbon with triethyltetramine-functionalized graphene. 2020 , 384, 123317		22
823	Graphene oxide in aqueous and nonaqueous media: Dispersion behaviour and solution chemistry. Carbon, 2020 , 158, 568-579	0.4	28
822	TiO2/Graphene Quantum Dots core-shell based photo anodes with TTIP treatment- A perspective way of enhancing the short circuit current. 2020 , 205, 110239		13
821	Highly sensitive, scalable reduced graphene oxide with palladium nano-composite as strain sensor. 2020 , 31, 035501		13
820	Fe(III) adsorption on graphene oxide: A low-cost and simple modification method for persulfate activation. 2020 , 387, 124012		16
819	Harvesting graphene oxide Iyears 1859 to 2019: a review of its structure, synthesis, properties and exfoliation. 2020 , 8, 1517-1547		132
818	Plasmon enhanced bifunctional electro-photo catalytic properties of Pt-Au/graphene composites for methanol oxidation and oxygen reduction reaction. 2020 , 508, 145161		18
817	Fiber-optic dual Fabry-P fot interferometric carbon monoxide sensor with polyaniline/Co3O4/graphene oxide sensing membrane. 2020 , 31, 2145-2149		8
816	Addressing challenges in providing a reliable ecotoxicology data for graphene-oxide (GO) using an algae (Raphidocelis subcapitata), and the trophic transfer consequence of GO-algae aggregates. 2020 , 245, 125640		2
815	Sandwich-like cobalt/reduced graphene oxide/cobalt composite structure presenting synergetic electromagnetic loss effect. 2020 , 561, 687-695		12
814	Application of Magnetic Graphene Oxide for Water Purification: Heavy Metals Removal and Disinfection. 2020 , 33, 101044		47
813	A sustainable approach to scalable production of a graphene based flame retardant using waste fish deoxyribonucleic acid. 2020 , 247, 119150		22

812	Tailored and highly efficient oxidation of various-sized graphite by kneading for high-quality graphene nanosheets. <i>Carbon</i> , 2020 , 157, 663-669	5
811	Development of proton conducting polymer nanocomposite membranes based on SPVdF-HFP and graphene oxide for H2-O2 fuel cells. 2020 , 57, 283-290	4
810	Effect of graphene oxide coating on the ballistic performance of aramid fabric. 2020 , 9, 2267-2278	14
809	Microwave Synthesis of Zinc Ammonium Phosphate/Reduced Graphene Oxide Hybrid Composite for High Energy Density Supercapacitors. 2020 , 217, 1900736	4
808	The electrochemical determination of hazardous 4-hydroxynitrobenzene using NiS2 decorated graphene oxide nanocomposite in the river water sample. 2020 , 153, 104502	2
807	Enhancing microfibrillated cellulose reinforcing efficiency in epoxy composites by graphene oxide crosslinking. 2020 , 27, 2211-2224	6
806	Preparation and modification mechanism analysis of graphene oxide modified asphalts. 2020 , 238, 117706	22
805	Long-term colloidal stability of graphene oxide aqueous nanofluids. 2020 , 28, 407-417	9
804	Reduced graphene oxide modified zinc oxide composites synergistic photocatalytic activity under visible light irradiation. 2020 , 207, 163778	7
803	Prussian Blue Analogue-derived co/fe bimetallic nanoparticles immobilized on S/N-doped carbon sheet as a magnetic heterogeneous catalyst for activating peroxymonosulfate in water. 2020 , 244, 125444	28
802	Recent advances in carbon nanomaterial-based adsorbents for water purification. 2020 , 405, 213111	183
801	Quaternized graphene oxide modified PVA-QPEI membranes with excellent selectivity for alkali recovery through electrodialysis. 2020 , 153, 875-886	7
800	Graphene and Lithium-Based Battery Electrodes: A Review of Recent Literature. 2020 , 13, 4867	16
799	Phosphorus-doping and addition of V2O5 into Pt/graphene resulting in highly-enhanced electro-photo synergistic catalysis for oxygen reduction and hydrogen evolution reactions. 2020 , 45, 30647-30658	6
798	Graphene oxide and its chemical nature: Multi-stage interactions between the oxygen and graphene. 2020 , 21, 100763	13
797	An overview of industrial scalable production of graphene oxide and analytical approaches for synthesis and characterization. 2020 , 9, 11587-11610	40
796	Rheology of graphene oxide suspended in yield stress fluid. 2020 , 286, 104426	7
795	Photo induced antibacterial activity of CeO2/GO against wound pathogens. 2020 , 13, 7680-7694	7

794	Synthesis of Reduced Graphene Oxide as a Support for Nano Copper and Palladium/Copper Catalysts for Selective NO Reduction by CO. 2020 , 5, 25568-25581	8
793	Adsorption of atrazine by laser induced graphitic material: An efficient, scalable and green alternative for pollution abatement. 2020 , 8, 104407	9
792	Graphene oxide for efficient treatment of real contaminated water by mining tailings: Metal adsorption studies to Paraopeba river and risk assessment. 2020 , 2, 100017	6
791	Graphene to Advanced MoS2: A Review of Structure, Synthesis, and Optoelectronic Device Application. 2020 , 10, 902	16
79°	Simultaneous stirring and microwave assisted synthesis of nanoflakes MnO2/rGO composite electrode material for symmetric supercapacitor with enhanced electrochemical performance. 2020 , 110, 108129	23
789	Non-volatile resistive switching memory device based on ZnO-graphene oxide embedded in a polymer matrix fabricated on a flexible PET substrate. 2020 , 233, 111436	4
788	Radio frequency heating and reduction of Graphene Oxide and Graphene Oxide - Polyvinyl Alcohol Composites. <i>Carbon</i> , 2020 , 169, 475-481	9
787	Poly(methyl methacrylate)-graphene emulsion prepared via RAFT polymerization and the properties of NR/PMMA-graphene composites. 2020 , 139, 109983	5
786	A critical review of contaminant removal by conventional and emerging media for urban stormwater treatment in the United States. 2020 , 187, 116434	18
785	Alternating Magnetic Field Controlled Targeted Drug Delivery Based on Graphene Oxide-Grafted Nanosupramolecules. 2020 , 26, 13698-13703	8
784	Synthesis of Graphene Foam Filter by Chemical Vapor Deposition Using Palm Oil as a Carbon Source for PM2.5 Capture. 2020 , 773, 012015	1
783	Fast and cost-effective room temperature synthesis of high quality graphene oxide with excellent structural intactness. 2020 , 25, e00198	O
782	Graphene-supported organic-inorganic layered double hydroxides and their environmental applications: A review. 2020 , 273, 122980	22
781	Recent advances in bioelectronics chemistry. 2020 , 49, 7978-8035	30
780	BrunauerEmmettTeller (BET) specific surface area analysis of different graphene materials: A comparison to their structural regularity and electrical properties. 2020 , 320, 114004	23
779	Multifunctional aminoethylpiperazine-modified graphene oxide with high dispersion stability in polar solvents for mercury ion adsorption. 2020 , 90, 224-231	5
778	Flexible and highly sensitive graphene/carboxymethyl cellulose films for bending sensing. 2020 , 31, 14118-14	127
777	Photocatalytic performances of stand-alone graphene oxide (GO) and reduced graphene oxide (rGO) nanostructures. 2020 , 52, 1	5

776	Carbon nanomaterials: synthesis, functionalization, and properties. 2020, 137-179	2
775	Effect of reduced graphene oxide on the enhancement of thermoelectric power factor of ENaxCo2O4. 2020 , 261, 114679	O
774	Grafting of straight alkyl chain improved the hydrophobicity and tribological performance of graphene oxide in oil as lubricant. 2020 , 319, 114276	8
773	Types of Flame Retardants. 2020 , 1-129	
772	Moisture-Enabled Electricity Generation: From Physics and Materials to Self-Powered Applications. 2020 , 32, e2003722	46
771	Overcoming the delivery problem for therapeutic genome editing: Current status and perspective of non-viral methods. 2020 , 258, 120282	33
770	Graphite Oxide: A Simple and Reproducible Synthesis Route. 2020 ,	
769	Intercalation-assisted Exfoliation Strategy for Two-dimensional Materials Preparation. 2020 , 36, 518-524	3
768	Optimizing parameters of graphene derivatives synthesis by modified improved Hummers. 2020,	6
767	Silica-graphene oxide nanohybrids as reinforcing filler for natural rubber. 2020 , 27, 1	10
766	Facile synthesis of reduced graphene oxide encapsulated selenium nanoparticles prepared by hydrothermal method for acetone gas sensors. 2020 , 755, 137797	7
765	Engineering of SnO-Graphene Oxide Nanoheterojunctions for Selective Room-Temperature Chemical Sensing and Optoelectronic Devices. 2020 , 12, 39549-39560	37
764	Reduced Graphene Oxide Wrapped Ultra-thin Silicon Nanowires for Lithium Ion Battery Anodes. 2020 , 1520, 012011	3
763		
703	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. 2020 , 12,	33
762	Graphene-Incorporated Natural Fiber Polymer Composites: A First Overview. 2020 , 12, Synthesis and characterization of rGO/Fe2O3 nanocomposite as an efficient supercapacitor electrode material. 2020 , 31, 14998-15005	2
	Synthesis and characterization of rGO/Fe2O3 nanocomposite as an efficient supercapacitor	
762	Synthesis and characterization of rGO/Fe2O3 nanocomposite as an efficient supercapacitor electrode material. 2020 , 31, 14998-15005 Synthesis of needle like nano composite of rGO-Mn2O and their applications as photo-catalyst.	2

758	Graphene Oxide-Coated Gold Nanorods: Synthesis and Applications. 2020 , 10,	11
757	CdPS nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. 2020 , 370, 596-600	36
756	Anisotropic, Flexible Wood Hydrogels and Wrinkled, Electrodeposited Film Electrodes for Highly Sensitive, Wide-Range Pressure Sensing. 2020 , 12, 43024-43031	24
755	An electrochemical biosensor based on a graphene oxide modified pencil graphite electrode for direct detection and discrimination of double-stranded DNA sequences. 2020 , 12, 4541-4550	9
754	Semi-closed synthesis of nitrogen and oxygen Co-doped mesoporous carbon for selective aqueous oxidation. 2020 ,	1
753	Intimately bonded 2D materials and responsive polymer brushes for adaptive nanocomposites. 2020 , 210, 123033	2
752	Mixed Dye Removal Efficiency of Electrospun Polyacrylonitrile-Graphene Oxide Composite Membranes. 2020 , 12,	10
751	Advances in Nanotechnology and Its Applications. 2020,	
750	Preparation of a Three-Dimensional Porous Graphene Oxide-Kaolinite-Poly(vinyl alcohol) Composite for Efficient Adsorption and Removal of Ciprofloxacin. 2020 , 36, 10895-10904	10
749	A Novel Correlation to Calculate Thermal Conductivity of Aqueous Hybrid Graphene Oxide/Silicon Dioxide Nanofluid: Synthesis, Characterizations, Preparation, and Artificial Neural Network Modeling. 2020 , 45, 9747-9758	18
748	Swelling properties of graphite oxides and graphene oxide multilayered materials. 2020 , 12, 21060-21093	16
747	Fe-Ni-Doped Graphene Oxide for Uranium Removal Linetics and Equilibrium Studies. 2020, 231, 1	7
746	Graphene Oxides Derivatives Prepared by an Electrochemical Approach: Correlation between Structure and Properties. 2020 , 10,	4
745	Carbon Black and Reduced Graphene Oxide Nanocomposite for Binder-Free Supercapacitors with Reduced Graphene Oxide Paper as the Current Collector. 2020 , 5, 32426-32435	10
744	Preliminary Study of Hydrothermal Synthesis of TiO2©O Composites as a High Performance Photocatalyst. 2020 , 957, 012041	1
743	Methods to Scale Down Graphene Oxide Size and Size Implication in Anti-cancer Applications. 2020 , 8, 613280	4
742	Synthesis and Evaluation of a Zinc Eluting rGO/Hydroxyapatite Nanocomposite Optimized for Bone Augmentation. 2020 , 6, 6710-6725	10
741	Quantitative understanding of the ultra-sensitive and selective detection of dopamine using a graphene oxide/WS2 quantum dot hybrid. 2020 , 8, 7935-7946	6

740	Increasing Surface Hardness of S304 Stainless Steel by High Quality Graphene Grown by Chemical Vapor Deposition. 2020 , 302, 79-84	1
739	MOFs-derived core-shell Co3Fe7@Fe2N nanopaticles supported on rGO as high-performance bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. 2020 , 17, 100433	19
738	Antibacterial Action of Nanoparticle Loaded Nanocomposites Based on Graphene and Its Derivatives: A Mini-Review. 2020 , 21,	28
737	Highly branched triple-chain surfactant-mediated electrochemical exfoliation of graphite to obtain graphene oxide: colloidal behaviour and application in water treatment. 2020 , 22, 12732-12744	4
736	Cuffe Incorporated Graphene-Oxide Nanocomposite as Highly Efficient Catalyst in the Degradation of Dichlorodiphenyltrichloroethane (DDT) from Aqueous Solution. 2020 , 63, 1314-1324	6
735	A Miniaturized Integrated SAW Sensing System for Relative Humidity Based on Graphene Oxide Film. 2020 , 20, 9733-9739	6
734	A Polymeric Composite Material (rGO/PANI) for Acid Blue 129 Adsorption. 2020 , 12,	3
733	Enhanced the mechanical and damping properties of epoxy nanocomposites by filling with a multi-core solvent-free nanofluids. 2020 , 274, 127999	7
732	Applications of Graphene and Its Derivatives in the Upstream Oil and Gas Industry: A Systematic Review. 2020 , 10,	8
731	Magnetite ultrafine particles/porous reduced graphene oxide grown onto Ni foam as a binder-free electrode for supercapacitors 2020 , 10, 20753-20764	4
730	In Situ DRIFTS Investigation of Ethylene Oxidation on Ag and Ag/Cu on Reduced Graphene Oxide. 2020 , 150, 3036-3048	2
729	An ultra-effective pathway for fully removing the oxygen components of graphene oxide by a flame-assisted microwave process. 2020 , 49, 6964-6968	2
728	Cornmeal Graphene/Natural Rubber Nanocomposites: Effect of Modified Graphene on Mechanical and Thermal Properties. 2020 , 5, 8551-8556	2
727	Electrochemical exfoliation for few-layer graphene in molybdate aqueous solution and its application for fast electrothermal film. 2020 , 30, 312-320	6
726	Origin of optical bandgap fluctuations in graphene oxide. 2020 , 93, 1	2
725	Sustainable Catalytic Processes Driven by Graphene-Based Materials. 2020 , 8, 672	6
724	Purification of graphene oxide dispersions by using a fluidic cell. 2020 , 12, 3575-3581	5
723	An intelligent film actuator with multi-level deformation behaviour. 2020 , 5, 1226-1232	5

722	Two-Dimensional Co-Compounded Carbonaceous Nanoplates for Rubber Tire Composites with Enhanced Mechanical Properties. 2020 , 3, 6321-6327	Ο
721	In situ construction of hybrid MnO2@GO heterostructures for enhanced visible light photocatalytic, anti-inflammatory and anti-oxidant activity. 2020 , 44, 11092-11104	9
720	Fixation Effect of Fe3O4-GO to Hinder Pb(II) Translocation into Leek. 2020 , 231, 1	
719	Rational Design of Carbon-Based 2D Nanostructures for Enhanced Photocatalytic CO Reduction: A Dimensionality Perspective. 2020 , 26, 9710-9748	83
718	Optical properties of graphene oxide thin film reduced by low-cost diode laser. 2020 , 126, 1	2
717	Preparation of graphene/Fe3O4 composite varnish with excellent corrosion-resistant and electromagnetic shielding properties. 2020 , 46, 22876-22882	2
716	Muscle-inspired capacitive tactile sensors with superior sensitivity in an ultra-wide stress range. 2020 , 8, 5913-5922	10
715	Effective Separation of CO Using Metal-Incorporated rGO Membranes. 2020 , 32, e1907580	34
714	Reduced graphene oxide layered WO thin film with enhanced electrochromic properties. 2020 , 571, 185-193	13
713	Colorimetric fluorescent paper strip with smartphone platform for quantitative detection of cadmium ions in real samples. 2020 , 392, 122506	76
712	Controllable fabrication of nitrogen-doped porous nanocarbons for high-performance supercapacitors via supramolecular modulation strategy. 2020 , 49, 348-357	28
711	Mechanically tough and highly stretchable poly(acrylic acid) hydrogel cross-linked by 2D graphene oxide 2020 , 10, 10949-10958	15
710	Free Standing Graphene Oxide Membrane with Epoxy Groups for Water Purification. 2020 , 49, 376-378	4
709	Exploring the potential of graphene oxide as a functional material to produce hydrocarbons via photocatalysis: Theory meets experiment. 2020 , 271, 117616	9
708	Visible-light photoelectrochemical sensor for glutathione based on CoFe2O4-nanosphere-sensitized copper tetraaminophthalocyaninegraphene oxide. 2020 , 155, 104726	9
707	Mechanism of nicotine degradation and adsorption by a nano-TiO2 engineered reduced graphene oxide composite in light variant conditions. 2020 , 10, 2797-2809	10
706	Unraveling Metal Oxide Role in Exfoliating Graphite: New Strategy to Construct High-Performance Graphene-Modified SiOx-Based Anode for Lithium-Ion Batteries. 2020 , 30, 1910657	35
705	Graphene Oxide Membranes with Cerium-Enhanced Proton Conductivity for Water Vapor Electrolysis. 2020 , 3, 4292-4304	7

704	Facile synthesis of CuBTC and its graphene oxide composites as efficient adsorbents for CO2 capture. 2020 , 393, 124666	35
703	Electric Spark Induced Instantaneous and Selective Reduction of Graphene Oxide on Textile for Wearable Electronics. 2020 , 12, 15527-15537	11
702	Graphene/copper oxide nanoparticles thin films as precursor for graphene/copper hexacyanoferrate nanocomposites. 2020 , 515, 146000	10
701	Physical properties and enhanced photocatalytic activity of ZnO-rGO nanocomposites. 2020 , 126, 1	12
700	Synthesis and adsorption ability of manganese ferrite/graphene oxide nanocomposites for arsenic(V) removal from water. 2020 , 58, 287-291	2
699	A lignin-based carbon aerogel enhanced by graphene oxide and application in oil/water separation. 2020 , 278, 118376	17
698	Insights on the Behavior of Imidazolium Ionic Liquids as Electrolytes in Carbon-Based Supercapacitors: An Applied Electrochemical Approach. 2020 , 124, 15818-15830	10
697	Flexible and Stretchable Temperature Sensors Fabricated Using Solution-Processable Conductive Polymer Composites. 2020 , 9, e2000380	29
696	An experimental investigation on the synthesis of fluorographene by electrochemical method in the mixture of sulfuric and hydrofluoric acid electrolytes. 2020 , 46, 25189-25199	9
695	Taking MXenes from the lab to commercial products. 2020 , 401, 125786	70
694	Novel graphene oxide/aminated lignin aerogels for enhanced adsorption of malachite green in wastewater. 2020 , 603, 125281	32
693	Study on the tribological properties of graphene oxide composite films by self-assembly. 2020 , 151, 106533	6
692	Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. 2020 , 46, 23997-24007	63
691	GO/PVA-integrated TFN RO membrane: Exploring the effect of orientation switching between PA and GO/PVA and evaluating the GO loading impact. 2020 , 496, 114538	22
690	Graphene Oxide Membranes for Isotopic Water Mixture Filtration: Preparation, Physicochemical Characterization, and Performance Assessment. 2020 , 12, 34736-34745	7
689	Solar-driven steam generation on nitrogen-doped graphene in a 2D water path isolation system. 2020 , 7, 015507	7
688	Fabrication of pebax-1657-based mixed-matrix membranes incorporating N-doped few-layer graphene for carbon dioxide capture enhancement. 2020 , 602, 117946	16
687	Pt-Decorated, Nanocarbon-Intercalated, and N-Doped Graphene with Enhanced Activity and Stability for Oxygen Reduction Reaction. 2020 , 3, 2490-2495	14

686	Development of amine-functionalized superparamagnetic iron oxide nanoparticles anchored graphene nanosheets as a possible theranostic agent in cancer metastasis. 2020 , 10, 862-877	6
685	Wafer-scale fabrication of high-purity reduced graphene oxide films as ultrahigh-frequency capacitors with minimal self-discharge. 2020 , 390, 124560	10
684	Modelling the switching effect in graphene oxide-based memristors. 2020 , 35, 055020	3
683	A Novel Reduced Graphene Oxide-Attapulgite (RGO-ATP) Supported Fe2O3 Catalyst for Heterogeneous Fenton-like Oxidation of Ciprofloxacin: Degradation Mechanism and Pathway. 2020 , 10, 189	6
682	Toxicity of microwave-synthesized silver-reduced graphene oxide nanocomposites to the microalga : Comparison with the hydrothermal method synthesized counterparts. 2020 , 55, 639-649	13
681	Enhanced biogas production from swine manure anaerobic digestion via in-situ formed graphene in electromethanogenesis system. 2020 , 389, 124510	23
680	Synergistic effect of carbon nanomaterials on a cost-effective coral-like Si/rGO composite for lithium ion battery application. 2020 , 339, 135917	12
679	Graphene oxide discarded solution for high surface area photocatalyst. 2020 , 209, 110446	3
678	Amorphous MoSx embedded within edges of modified graphite as fast-charging anode material for rechargeable batteries. 2020 , 509, 145352	6
677	Effects of Buffer Gases on Graphene Flakes Synthesis in Thermal Plasma Process at Atmospheric Pressure. 2020 , 10,	10
676	Effective PEGylation method to improve biocompatibility of graphene derivatives. 2020 , 124, 109504	13
675	Synthesis of two-dimensional nanomaterials. 2020 , 35-71	3
674	Graphene oxide modified waste newspaper for removal of heavy metal ions and its application in industrial wastewater. 2020 , 244, 122692	12
673	Preparation and characterization of graphene. 2020 , 51-90	1
672	Electric field-assisted synthesis of Pt, carbon quantum dots-coloaded graphene hybrid for hydrogen evolution reaction. 2020 , 451, 227770	15
671	Synthesis of titanium nanoplate decorated by Pd and Fe3O4 nanoparticles immobilized on graphene oxide as a novel photocatalyst for degradation of parathion pesticide. 2020 , 179, 114371	6
670	Recent advances and future perspectives for graphene oxide reinforced epoxy resins. 2020 , 23, 100883	25
669	Electrochemical sensor for determination of bisphenol A based on MOF-reduced graphene oxide composites coupled with cetyltrimethylammonium bromide signal amplification. 2020 , 26, 3135-3146	16

668	as precursor. 2020 , 9, 2679-2690	14
667	Chloramine-T/N-Bromosuccinimide/FeCl/KIO Decorated Graphene Oxide Nanosheets and Their Antibacterial Activity. 2020 , 10,	14
666	Facile synthesis of paper based graphene electrodes for point of care devices: A double stranded DNA (dsDNA) biosensor. 2020 , 566, 463-472	119
665	Ink synthesis and inkjet printing of electrostatically stabilized multilayer graphene nanoshells. 2020 , 566, 454-462	6
664	A green assisted route for the fabrication of a high-efficiency self-healing anti-corrosion coating through graphene oxide nanoplatform reduction by Tamarindus indiaca extract. 2020 , 390, 122147	45
663	Photocatalytic Degradation of 2-chlorophenol under Bi2MoO6/Graphene Oxide. 2020 , 5, 581-589	3
662	Tailorable Synthesis of Highly Oxidized Graphene Oxides via an Environmentally-Friendly Electrochemical Process. 2020 , 10,	16
661	Synthesis and characterization of additive graphene oxide nanoparticles dispersed in water: Experimental and theoretical viscosity prediction of non-Newtonian nanofluid. 2020 ,	19
660	Pyrocatechol violet impregnated magnetic graphene oxide for magnetic solid phase microextraction of copper in water, black tea and diet supplements. 2020 , 321, 126737	31
659	Monodisperse Pt-Co/GO anodes with varying Pt: Co ratios as highly active and stable electrocatalysts for methanol electrooxidation reaction. 2020 , 10, 6114	23
658	Graphene Oxide Synthesis: Reaction Calorimetry and Safety. 2020 , 59, 9004-9014	7
657	Hybrid coatings for durable flame retardant and hydrophilic treatment of Polyamide 6.6 fabrics. 2020 , 144, 105640	7
656	Graphene oxide modified membrane for highly efficient wastewater treatment by dynamic combination of nanofiltration and catalysis. 2020 , 397, 122774	38
655	Mitochondrial structure-inspired high specific surface area polymer microspheres by encapsulating modified graphene oxide nanosheets. 2020 , 130, 109682	4
654	Coral-like carbon-wrapped NiCo alloys derived by emulsion aggregation strategy for efficient oxygen evolution reaction. 2020 , 573, 96-104	16
653	Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. 2020 , 217, 121039	16
652	The Adsorption of Methylene Blue on Eco-Friendly Reduced Graphene Oxide. 2020, 10,	23
651	Chemically reduced graphene oxide (CRGO) from waste batteries and morphological assessment of CRGO/methyl cellulose transdermal film. 2020 , 22, 100454	4

650	Synthesis of highly oxidized graphene (HOG) by using HNO3 and KMnO4 as oxidizing agents. 2021 , 46, 6270-6274		3
649	Synthesis of highly stable nanofluids including polyvinyl alcohol-treated graphene oxide for improved heat dissipation in a tubular heat exchanger. 2021 , 145, 13-25		1
648	Nanocomposites of reduced graphene oxide modified with mesoporous carbon layers anchored by hollow carbon spheres for energy storage. <i>Carbon</i> , 2021 , 173, 22-30	10.4	9
647	Thermal oxidation of graphite as the first step for graphene preparation: effect of heating temperature and time. 2021 , 56, 3675-3691		2
646	Tannic acid/Fe3+ functionalized magnetic graphene oxide nanocomposite with high loading of silver nanoparticles as ultra-efficient catalyst and disinfectant for wastewater treatment. 2021 , 405, 126629		34
645	Study on the physico-chemical properties of reduced graphene oxide with different degrees of reduction temperature. 2021 , 18, 201-211		2
644	Reversible synthesis of GO: Role of differential bond structure transformation in fine-tuning photodetector response. 2021 , 32, 045601		3
643	Improved thermal stability metal oxide/GO-based hybrid materials for enhanced Anti-inflammatory and Antioxidant activity. 2021 , 78, 3889-3911		3
642	Preparation and electrochemical performance of silicon@graphene aerogel composites for lithium-ion batteries. 2021 , 854, 157135		4
641	Reduced graphite oxide-pure water supercapacitor: A futuristic water based energy storage device. 2021 , 126, 114452		4
640	Core@double-shell structured multifunctional phase change microcapsules based on modified graphene oxide Pickering emulsion. 2021 , 45, 3257-3268		7
639	Synthesis of Co3O4/reduced graphene oxide by one step-hydrothermal and calcination method for high-performance supercapacitors. 2021 , 27, 339-349		4
638	Life cycle assessment (LCA) of electrically-enhanced POME filtration: Environmental impacts of conductive-membrane formulation and process operating parameters. 2021 , 277, 111434		11
637	Carbon Related Materials. 2021 ,		2
636	Cobalt-based metal organic framework (Co-MOFs)/graphene oxide composites as high-performance anode active materials for lithium-ion batteries. 2021 , 45, 4811-4820		4
635	A Novel Approach to Synthesize Reduced Graphene Oxide (RGO) at Low Thermal Conditions. 2021 , 46, 5467-5475		2
634	Sonochemical synthesis of NiCo2O4/NRGO nanocomposite as a cathodic material for the electrochemical capacitor application. 2021 , 18, 993-1003		0
633	Conductive carbonaceous membranes: recent progress and future opportunities. 2021 , 9, 3270-3289		10

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632	A graphene oxide Cookbook: Exploring chemical and colloidal properties as a function of synthesis parameters. 2021 , 588, 725-736	4
631	Graphene oxide enabled hole transport characteristics in iodide/tri-iodide for improved dye sensitized solar cell performance. 2021 , 285, 129176	3
630	Inhibiting photocatalytic electron-hole recombination by coupling MIL-125(Ti) with chemically reduced, nitrogen-containing graphene oxide. 2021 , 541, 148503	14
629	Reduced graphene oxide/BiOBr nanocomposite with synergetic effects on improving adsorption and photocatalytic activity for the degradation of antibiotics. 2021 , 265, 129013	13
628	Lactone radical transformed methyl mercaptan-adsorbed activated carbon into graphene oxide modified activated carbon. 2021 , 413, 124527	6
627	Constructing reduced graphene oxide network aerogel supported TiO2(B) (Bronze phase TiO2) as anode material for lithium-ion storage. 2021 , 853, 157330	4
626	Ultralight biodegradable 3D-g-C3N4 aerogel for advanced oxidation water treatment driven by oxygen delivery channels and triphase interfaces. 2021 , 288, 125091	12
625	Facile synthesis of GO as middle carrier modified flower-like BiOBr and C3N4 nanosheets for simultaneous treatment of chromium(VI) and tetracycline. 2021 , 32, 2187-2191	10
624	Carbon-based TiO2-x heterostructure nanocomposites for enhanced photocatalytic degradation of dye molecules. 2021 , 47, 10314-10321	7
623	Fabrication of Cysteamine capped-CdSe QDs anchored graphene xerogel nanosensor for facile onsite visual detection of TNT. 2021 , 25, 100643	4
622	Green synthesis of templated carbon porous materials from simple raw materials. 2021, 2, 403-412	1
621	A Review on Graphene Oxide Two-dimensional Macromolecules: from Single Molecules to Macro-assembly. 2021 , 39, 267-308	16
620	Mitochondrion targeting peptide-modified magnetic graphene oxide delivering mitoxantrone for impairment of tumor mitochondrial functions. 2021 , 32, 1220-1223	13
619	A one-step electrochemically reduced graphene oxide based sensor for sensitive voltammetric determination of furfural in milk products. 2021 , 13, 56-63	8
618	Advancement in graphene-based nanocomposites as high capacity anode materials for sodium-ion batteries. 2021 , 9, 2628-2661	17
617	Boosting the Performance of Graphene Cathodes in Na-O Batteries by Exploiting the Multifunctional Character of Small Biomolecules. 2021 , 17, e2005034	2
616	NiFeMo Nanoparticles Encapsulated within Nitrogen-Doped Reduced Graphene Oxide as Bifunctional Electrocatalysts for Zinc-Air Batteries. 2021 , 8, 524-531	2
615	Facile fabrication of nano zerovalent iron likeduced graphene oxide composites for nitrate reduction in water. 2021 , 3, 100024	5

614	Transfer of printed electronic structures using graphene oxide and gelatin enables reversible and biocompatible interface with living cells. 2021 , 120, 111685	1
613	Colloidal Ni2P Nanocrystals Encapsulated in Heteroatom-Doped Graphene Nanosheets: A Synergy of [email´protected] Heterostructure Toward Overall Water Splitting. 2021 , 33, 234-245	26
612	Review of the past and recent developments in functionalization of graphene derivatives for reinforcement of polypropylene nanocomposites. 2021 , 42, 1075-1108	2
611	POSS functionalized graphene oxide nanosheets with multiple reaction sites improve the friction and wear properties of polyamide 6. 2021 , 154, 106747	7
610	Application of electroactive Au/aniline tetramer-graphene oxide composites as a highly efficient reusable catalyst 2020 , 11, 71-77	6
609	The production of graphene by direct liquid phase exfoliation of graphite at moderate sonication power by using low boiling liquid media: The effect of liquid media on yield and optimization. 2021 , 47, 521-533	13
608	Dielectric performance of graphene nanostructures prepared from naturally sourced material. 2021 , 43, 3424-3427	
607	Temperature resistant cross-linked brominated poly phenylene oxide-functionalized graphene oxide nanocomposite anion exchange membrane for desalination. 2021 , 255, 117730	13
606	Phosphomolybdic acid/graphene oxide as novel green catalyst using for biodiesel production from waste cooking oil via electrolysis method: Optimization using with response surface methodology (RSM). 2021 , 287, 119528	31
605	Adsorbents for glyphosate removal in contaminated waters: a review. 2021 , 19, 1525-1543	14
604	A bioinspired, ice-templated multifunctional 3D cryogel composite crosslinked through in situ reduction of GO displayed improved mechanical, osteogenic and antimicrobial properties. 2021 , 111584	4
603	Two-different ways of synthesis for EG: Study of mechanical, thermal, and electrical properties of epoxy composite for TIMs. 2021 , 33, 127-145	
602	Effects of graphene oxide addition on wear behaviour of composite coatings fabricated by plasma electrolytic oxidation (PEO) on AZ91 magnesium alloy. 2021 , 35, 242-255	7
601	Photo-Catalytic and Anti-microbial Activities of rGO/CuO Nanocomposite. 2021 , 31, 1359-1372	3
600	Efficiency of different methods of oxidation of graphite: a key route of graphene preparation. 2021 , 6, 1-11	О
599	Optimizing the reinforcement effect of graphene oxide on polyimide by ternary copolymerization. 2021 , 60, 849-861	2
598	Synthesis of Advanced Materials by Electrochemical Methods. 2021 , 435-466	
597	A review on two-dimensional materials for chemiresistive- and FET-type gas sensors. 2021 , 23, 15420-15439	10

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596	Fabrication and Response Surface Methodology for the Adsorption of Nickel Ferrite-Graphene Oxide Nanocomposite for the Removal of Methylene Blue from Water. 2021 , 2021, 1-16	4
595	Room-Temperature NH3 Sensors Based on Boron-Doped Graphene Oxide: Enhanced Sensing Performance by B-N Covalent Interaction. 2021 , 1-1	2
594	Novel application of electrochemical bipolar exfoliated graphene for highly sensitive disposable label-free cancer biomarker aptasensors.	2
593	Preparation of rGO@FeO nanocomposite and its application to enhance the thermal conductivity of epoxy resin 2021 , 11, 16592-16599	5
592	Different Techniques for Designing and Fabrication of 2D Materials. 2021 , 29-42	
591	Self-Assembly of Hollow Graphene Oxide Microcapsules Directed by Cavitation for Loading Hydrophobic Drugs. 2021 , 13, 2988-2996	4
590	Synthesis of graphite oxide using hummers method: Oxidation time influence. 2021,	
589	Synthesis and characterization of the nanocomposites of graphene oxide in polyethylene glycol (PEG). 2021 , 45, 4742-4745	
588	Investigation of Anticorrosion and Mechanical Properties of Azole Functionalized Graphene Oxide Encapsulated Epoxy Coatings on Mild Steel. 2021 , 21, 649-661	6
587	AuPd bimetallic nanoparticles supported on reduced graphene oxide nanosheets as catalysts for hydrogen generation from formic acid under ambient temperature. 2021 , 45, 10040-10048	19
587 586		19
	hydrogen generation from formic acid under ambient temperature. 2021 , 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene	
586	hydrogen generation from formic acid under ambient temperature. 2021, 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene Oxide. 2021, 11, 166 Reduced graphene oxide/g-C3N4 modified carbon fibers for high performance fiber	4
586 585	hydrogen generation from formic acid under ambient temperature. 2021, 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene Oxide. 2021, 11, 166 Reduced graphene oxide/g-C3N4 modified carbon fibers for high performance fiber supercapacitors. 2021, 45, 923-929 Bio-inspired barb structure designed on the surface of carbon fibers to enhance the interfacial	4 5
586 585 584	hydrogen generation from formic acid under ambient temperature. 2021, 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene Oxide. 2021, 11, 166 Reduced graphene oxide/g-C3N4 modified carbon fibers for high performance fiber supercapacitors. 2021, 45, 923-929 Bio-inspired barb structure designed on the surface of carbon fibers to enhance the interfacial properties of composites in multiple scales. 2021, 5, 5769-5779	4 5 1
586 585 584 583	hydrogen generation from formic acid under ambient temperature. 2021, 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene Oxide. 2021, 11, 166 Reduced graphene oxide/g-C3N4 modified carbon fibers for high performance fiber supercapacitors. 2021, 45, 923-929 Bio-inspired barb structure designed on the surface of carbon fibers to enhance the interfacial properties of composites in multiple scales. 2021, 5, 5769-5779 Characterization and conductivity of graphene oxide (GO) dispersion in different solvents. 2021, Graphene-Based Nanomaterials: Introduction, Structure, Synthesis, Characterization, and	4 5 1
586 585 584 583 582	hydrogen generation from formic acid under ambient temperature. 2021, 45, 10040-10048 The Role of the Oxidation and Reduction Parameters on the Properties of the Reduced Graphene Oxide. 2021, 11, 166 Reduced graphene oxide/g-C3N4 modified carbon fibers for high performance fiber supercapacitors. 2021, 45, 923-929 Bio-inspired barb structure designed on the surface of carbon fibers to enhance the interfacial properties of composites in multiple scales. 2021, 5, 5769-5779 Characterization and conductivity of graphene oxide (GO) dispersion in different solvents. 2021, Graphene-Based Nanomaterials: Introduction, Structure, Synthesis, Characterization, and Properties. 2021, 23-48 Reduced graphene oxide-grafted bovine serum albumin/bredigite nanocomposites with high	4 5 1 2

578	Synthesis and characterization of graphene-like material derived from sugarcane bagasse. 2021 , 1053, 012013	1
577	Supramolecular assisted fabrication of Mn3O4 anchored nitrogen-doped reduced graphene oxide and its distinctive electrochemical activation process during supercapacitive study. 2021 , 370, 137739	6
576	Heterostructure Device Based on Graphene Oxide/TiO2/n-Si for Optoelectronic Applications. 2021 , 10, 021002	11
575	High performance Pb+2 detection using CVD-produced high quality multilayer reduced graphene oxide. 2021 , 2, 010023	1
574	Rapid, Universal Surface Engineering of Carbon Materials via Microwave-Induced Carbothermal Shock. 2021 , 31, 2010968	9
573	Development of rutin-rGO/TiO2 nanocomposite for electrochemical detection and photocatalytic removal of 2,4-DCP. 2021 , 18, 2457-2472	3
572	Accelerated Synthesis of Graphene Oxide from Graphene. 2021 , 11,	13
571	Preservation stability of chemically synthesized graphite oxide slurry and reduced graphene oxide powder. 2021 , 32, 6636-6647	2
570	A Journey of Laser-Induced Graphene in Water Treatment. 2021 , 6, 159	4
569	Oil-in-water emulsion separation by PVC membranes embedded with GO-ZnO nanoparticles. 2021 , 9, 104992	16
568	A Novel Fe3O4/Graphene Oxide Composite Prepared by Click Chemistry for High-Efficiency Removal of Congo Red from Water. 2021 , 2021, 1-11	2
567	Enhanced efficiency of polyamide membranes by incorporating TiO2-Graphene oxide for water purification. 2021 , 323, 114922	26
566	SiO2 modified graphene oxide hybrids for improving fretting wear performance of ultra-high molecular weight polyethylene. 2021 , 73, 201-206	1
565	A reusable Fe3O4/GO-COOH nanoadsorbent for Ca2+ and Cu2+ removal from oilfield wastewater. 2021 , 166, 248-258	6
564	In situ hydrothermal synthesis of TiO2 R GO nanocomposites for 4-nitrophenol degradation under sunlight irradiation. 2021 , 36, 906-915	4
563	Green gelatin-assisted: Synthesis of Co3O4NPs@rGO nanopowder for highly efficient magnetically separable methylene orange dye degradation. 2021 , 32, 504-514	4
562	Graphene oxide dispersion state in polystyrene-based composites below percolation threshold via linear melt rheology. 2021 , 60, 209-218	1
561	One-Step Synthesis and Characterization of Reduced Graphene Oxide/Silver Nanoparticles Using Chemical Reaction. 2021 , 1818, 012209	

(2021-2021)

rGO-Bi2MoO6 heterostructure: synthesis, characterization and utilization as a visible light active 560 photocatalyst for the degradation of tetracycline. 2021, 32, 9822-9840 Artificial Nacre-based Chitosan/Graphene Oxide-Mg Hydrogel with Significant Mechanical Strength 559 and Shape Memory Effect. 2021, 63, 123-132 Reduced Graphene Oxide Tattoo as Wearable Proximity Sensor. 2021, 7, 2001214 558 9 Synthesis and characterization of graphene oxide reinforced triphenyl pyridine-based polyimide 557 composites having UV shielding and low k properties. 1-19 Mesoporous CuZnAl-layered double hydroxide/graphene oxide nanohybrid as an energy storage 556 3 electrode for supercapacitor application. 2021, 44, 1 CO2/CH4 mixed gas separation using graphene oxide nanosheets embedded hollow fiber 10 555 membranes: Evaluating effect of filler concentration on performance. 2021, 5, 100074 Liquid-Exfoliated 2D Materials for Optoelectronic Applications. 2021, 8, e2003864 554 23 Effect of plasma-enhanced chemical vapor deposition (PECVD) graphene content on the properties 553 of EPDM/graphene composites. 2021, 32, 9065-9073 A critical review on the production and application of graphene and graphene-based materials in 552 17 anti-corrosion coatings. 2021, 1-48 551 A New Approach to Obtaining Nano-Sized Graphene Oxide for Biomedical Applications. 2021, 14, Graphene-enabled block copolymer lithography transfer to arbitrary substrates. 2021, 2, 014009 550 Preparation of magnetic manganese ferrite/graphene oxide nanocomposites as efficient 549 \circ adsorbents towards ibuprofen. 2021, 12, 015012 548 Biomedical Applications of Electrospun Graphene Oxide. 2021, 7, 1278-1301 10 Electrochemical Detection of Glucose Molecules Using Laser-Induced Graphene Sensors: A Review. 547 2021, 21, 546 Drying-Time Study in Graphene Oxide. 2021, 11, 4 Multiple coated graphite oxide Band composites for fluoride removal in water. 2021, 9, 104962 545 Ecofriendly and enhanced photocatalytic degradation of Indigo dye by graphene oxide 544 1 nanoparticles. 2021, 53, 1 Effects of preparation temperature on production of graphene oxide by novel chemical processing. 5 543 **2021**, 47, 10113-10122

542	Effective removal of manganese in graphene oxide via competitive ligands and the properties of reduced graphene oxide hydrogels and films. 2021 , 114, 108314	0
541	Remarkable reusability of magnetic Fe3O4-graphene oxide composite: a highly effective adsorbent for Cr(VI) ions. 1-21	10
540	Dehydrogenation of Formic Acid in Liquid Phase over Pd Nanoparticles Supported on Reduced Graphene Oxide Sheets. 2021 , 25, 324-333	18
539	Nanomaterials: Applications, waste-handling, environmental toxicities, and future challenges 🖪 review. 2021 , 9, 105028	58
538	Gram-Scale Synthesis of Porous Graphene via Printing Paper Pyrolysis as Supercapacitor Electrodes. 2021 , 9, 2001025	1
537	Rare-Earth Metal®rganic [email′protected] Oxide Composites As High-Efficiency Microwave Absorbents. 2021 , 21, 2668-2679	5
536	Targeted design of polyaniline-graphene oxide, barium-strontium titanate, hard-soft ferrite, and polyester multi-phase nanocomposite for highly efficient microwave absorption. 2021 ,	О
535	Preparation of Graphene Oxide-Embedded Hydrogel as a Novel Sensor Platform for Antioxidant Activity Evaluation of. 2021 , 9, 675346	4
534	Highly sensitive electrochemical detection of cancer biomarker based on anti-EpCAM conjugated molybdenum disulfide grafted reduced graphene oxide nanohybrid. 2021 , 138, 107733	9
533	Novel Graphene Oxide Nanohybrid Doped Methacrylic Acid Hydrogels for Enhanced Swelling Capability and Cationic Adsorbability. 2021 , 13,	2
532	One-pot synthesis of rod-shaped gadolinia doped zinc oxide decorated on graphene oxide composite as an efficient electrode material for isoprenaline sensor. 2021 , 211, 108631	14
531	Structural, morphological, optical and photocatalytic properties of Ag decorated graphene oxide-TiO2 films. 2021 , 724, 138632	2
530	Facile multifunctional-mode of fabricated biocompatible human serum albumin/reduced graphene oxide/nanoparticles for bacteriostatic phototherapy, bacterial tracking and antioxidant potential. 2021 , 32,	2
529	Sn4P3-inlaid graphene oxide nanohybrid through low-temperature solid state reactions toward high-performance anode for sodium-ion batteries. 2021 ,	2
528	Graphene and Its Nanocomposites Based Humidity Sensors: Recent Trends and Challenges.	1
527	Graphene oxide crosslinker for the enhancement of mechanical properties of polylactic acid. 2021 , 59, 1043-1054	6
526	A novel approach toward attachment of graphene oxide on copper using electrochemical grafting of an organic interlayer with enhanced corrosion performance. 2021 , 154, 106185	2
525	A Review of the Use of Carbon Nanotubes and Graphene-Based Sensors for the Detection of Aflatoxin M1 Compounds in Milk. 2021 , 21,	7

524	A Self-Assembled and Flexible Supercapacitor based on Redox-Active Lignin-Based Nitrogen-Doped Activated Carbon Functionalized Graphene Hydrogels. 2021 , 168, 053504	5
523	Top-down synthesis of graphene: A comprehensive review. 2021 , 27, 100224	34
522	Determination of Tedizolid Phosphate Using Graphene Nanocomposite Based Solid Contact Ion Selective Electrode; Green Profile Assessment by Eco-scale and GAPI Approach. 2021 , 33, 1895-1901	4
521	Progress and Prospects on the Fabrication of Graphene-Based Nanostructures for Energy Storage, Energy Conversion and Biomedical Applications. 2021 , 16, 1365-1381	3
520	Ultrathin Polydopamine-Graphene Oxide Hybrid Coatings on Polymer Filters with Improved Filtration Performance and Functionalities 2021 , 4, 5180-5188	12
519	Graphene-based pressure sensor and strain sensor for detecting human activities.	4
518	Mo-Doped SnO2 Quantum Dots Dispersed Over Reduced Graphene Oxide Sheets as an Efficient Anode Material. 2022 , 19,	1
517	Preparation and characterisation of silver nanoparticles/graphene oxide hybrid nanofiller reinforced-polyaniline. 1-13	2
516	A label-free electrochemical immunosensor based on facet-controlled Au nanorods/reduced graphene oxide composites for prostate specific antigen detection. 2021 , 336, 129748	9
515	Synthesis of Highly-Dispersed Graphene Oxide Nanoribbons-Functionalized Carbon Nanotubes-Graphene Oxide (GNFG) Complex and Its Application in Enhancing the Mechanical Properties of Cementitious Composites. 2021 , 11,	3
514	Effect of the presence of inorganic anions on the degradation of phenol by dielectric barrier discharge plasma combined with RGO-TiO2. 2021 , 41, 101997	6
513	New Insights into the Microstructural Analysis of Graphene Oxide. 2021 , 18, 388-398	1
512	Expanded Graphite Inserted by Few Red Phosphorus for Improved Sodium Storage at Room Temperature and Low Temperatures. 2021 , 7, 1020-1024	2
511	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. 2021 , 9, 8706-8720	20
510	Modified polystyrene spheres/graphene oxide decorated with silver nanoparticles as bactericidal material. 2021 , 1233, 130091	2
509	Corrosion-resistant composite coatings based on a graphene oxidethetal oxide/urushiol formaldehyde polymer system. 2021 , 18, 1209-1225	1
508	Progress and perspectives of 2D materials as anodes for potassium-ion batteries. 2021 , 38, 354-378	11
507	Magnetic Graphene Oxide as a Carrier for Lipases Immobilization: An Approach for Hydrolysis of Olive Oil Emulsion. 2021 , 10, 065008	0

506	Selective localization of rice husk derived graphene in reactive compatibilized PP/PA6 blends: Influence on morphology, interface and mechanical properties. 1-16		1
505	Ultrasonication-assisted synthesis of 2D porous MoS/GO nanocomposite catalysts as high-performance hydrodesulfurization catalysts of vacuum gasoil: Experimental and DFT study. 2021 , 74, 105558		5
504	Flash graphene from rubber waste. <i>Carbon</i> , 2021 , 178, 649-656	10.4	20
503	A review of graphene-oxide/metalBrganic framework composites materials: characteristics, preparation and applications. 2021 , 28, 1837		1
502	Staged and efficient removal of tetracycline and Cu2+ combined pollution: A designed double-chamber electrochemistry system using 3D rGO. 2021 , 305, 127101		8
501	Synthesis, characterization, and performance of nanocomposites containing reduced graphene oxide, polyaniline, and cobalt ferrite. 2021 , 612, 412974		6
500	Zwitterion-decorated graphene oxide nanosheets with aliphatic amino acids under specific pH conditions. 2021 , 555, 149723		3
499	Facile fabrication of silk fibroin/graphene oxide composite films and real-time morphological observation in stretching. 2021 , 138, 51403		
498	Production, characterization, and application of a novel chitosan-g-maleic anhydride and modified graphene oxide nanocomposite, supported methane sulfonic acid, for efficient synthesis of 1-(benzothiazolylamino) methyl-2-naphtols. 2021 , 47, 4721		О
497	Functional GO-based membranes for water treatment and desalination: Fabrication methods, performance and advantages. A review. 2021 , 274, 129853		16
496	The pure paramagnetism in graphene oxide. 2021 , 26, 104407		3
495	Synthesis of fluorescent graphene quantum dots from graphene oxide and their application in fabrication of GQDs@AgNPs nanohybrids and sensing of H2O2. 2021 , 47, 19063-19072		5
494	Efficacy of a Graphene Oxide/Chitosan Sponge for Removal of Radioactive Iodine-131 from Aqueous Solutions. 2021 , 11,		3
493	Porous 3D graphene/multi-walled carbon nanotubes electrodes with improved mass transport and kinetics towards VO2+/VO2+ redox couple. 2021 , 385, 138449		O
492	Nacre-Mimetic, Mechanically Flexible, and Electrically Conductive Silk Fibroin-MXene Composite Foams as Piezoresistive Pressure Sensors. 2021 , 13, 34996-35007		13
491	Thermo- and pH-Responsive Gelatin/Polyphenolic Tannin/Graphene Oxide Hydrogels for Efficient Methylene Blue Delivery. 2021 , 26,		O
490	Highly selective custom-made chitosan based membranes with reduced fuel permeability for direct methanol fuel cells. 2021 , 138, 51366		3
489	Improvement of dielectric properties and energy storage performance in sandwich-structured P(VDF-CTFE) composites with low content of GO nanosheets. 2021 , 32,		3

488	Influence of doping level on the electrocatalytic properties for oxygen reduction reaction of N-doped reduced graphene oxide. 2021 , 46, 26040-26052	4
487	Electrophoretic Deposition of Graphene Oxide on Stainless Steel Substrate. 2021 , 11,	1
486	Versatile 3D reduced graphene oxide/poly(amino-phosphonic acid) aerogel derived from waste acrylic fibers as an efficient adsorbent for water purification. 2021 , 776, 145973	9
485	Detection and remediation of bisphenol A (BPA) using graphene-based materials: mini-review. 1	9
484	Polyvinyl acetate/reduced graphene oxide-poly (diallyl dimethylammonium chloride) composite coated wood surface reveals improved hydrophobicity. 2021 , 156, 106253	6
483	Fabrication of PDMS/GA Composite Materials by Pickering Emulsion Method and Its Application for Oil-Water Separation. 2021 , 14, 5283	O
482	Study of the dielectric heating of graphite oxide and its effect on the microwave-assisted synthesis of Nylon-6/graphite oxide polymeric hybrid nanocomposites. 2022 , 139, 51567	1
481	Sprayable reduced graphene oxide based high-temperature solar absorber coatings for concentrated solar power applications.	O
480	Theoretical and Experimental Research on Ammonia Sensing Properties of Sulfur-Doped Graphene Oxide. 2021 , 9, 220	2
479	New Fabricated (PAA-PVA/GO) and (PAAm-PVA/GO) Nanocomposites: Functional Groups and Graphene Nanosheets effect on the Morphology and Mechanical Properties. 2021 , 1973, 012165	1
478	Ternary biogenic silica/magnetite/graphene oxide composite for the hyperactivation of Candida rugosa lipase in the esterification production of ethyl valerate. 2021 , 148, 109807	5
477	Metal Cation-Modified Graphene Oxide as Precursor for Advanced Materials: Thin Films of Graphene/Prussian Blue Analogues. 2021 , 2021, 3373-3384	1
476	Characteristic study of exfoliated graphene particles from waste batteries. 1	
475	Fabrication of reduced Graphene Oxide supported Gd3+ doped V2O5 nanorod arrays for superior photocatalytic and antibacterial activities. 2021 ,	14
474	N-doped carbon-encapsulated nickel on reduced graphene oxide materials for efficient CO2 electroreduction to syngas with potential-independent H2/CO ratios. 2021 , 9, 105515	4
473	Metal-organic frameworks derived FeSe2@C nanorods interconnected by N-doped graphene nanosheets as advanced anode materials for Na-ion batteries.	2
472	Optimization of graphene oxide through various Hummers' methods and comparative reduction using green approach. 2021 , 117, 108456	9
47 ¹	Termal Olarak fidirgenen Grafen Oksidin 🛭 🗷 elliklerinin 🖺 tatistiksel Analizi.	

470	Graphene Quantum Dots Embedded in NiCo2S4/MWCNT Nanocomposite as a Promising Candidate for Supercapacitors and I3lReduction in Dye-Sensitized Solar Cells. 2021 , 35, 13360-13369	3
469	Tuning the Energy Storage Efficiency in PVDF Nanocomposites Incorporated with Crumpled CoreBhell BaTiO3@Graphene Oxide Nanoparticles. 2021 , 4, 9553-9562	3
468	Organic Functionalized Carbon Nanostructures for Solar Energy Conversion. 2021, 26,	3
467	Effect of Sodium Nitrate on the Formation of Graphene Oxide via Modified Hummers Method for Sensors Application. 2021 ,	O
466	Water lubrication of graphene oxide-based materials. 1	O
465	Preparation of Graphene Oxide Composites and Assessment of Their Adsorption Properties for Lanthanum (III). 2021 , 11, 1040	1
464	Carbon monoxide sensor based on polypyrrolegraphene oxide composite: a cost-effective approach. 2021 , 127, 1	8
463	Selective and scaled-up continuous flow synthesis of manganese oxide nanocatalysts for single electron transfer reactions. 2021 , 417, 129063	3
462	Polyacrylonitrile nanofiber membranes incorporated with large reduced graphene oxide content in situ. 2021 , 56, 18508	1
461	Carbonized wood cell chamber-reduced graphene oxide@PVA flexible conductive material for supercapacitor, strain sensing and moisture-electric generation applications. 2021 , 418, 129518	35
460	Electrospun graphene oxide/MIL-101(Fe)/poly(acrylonitrile-co-maleic acid) nanofiber: A high-efficient and reusable integrated photocatalytic adsorbents for removal of dye pollutant from water samples. 2021 , 597, 196-205	12
459	Mechanism study of Single-Step synthesis of Fe(core)@Pt(shell) nanoparticles by sonochemistry. 2021 , 77, 105679	o
458	Analyzing the Effect of Various Reducing Agents and Their Concentrations on Gas Sensing Performance of Graphene Aerogel-Based Ammonia Sensor. 2022 , 173-179	
457	Graphene Oxide Surface Treatment on Piassava Fiber Attalea funifera to Improve Adhesion in Epoxy Matrix. 1-14	2
456	Graphene and its derivatives: understanding the main chemical and medicinal chemistry roles for biomedical applications. 2021 , 1-35	16
455	Graphene Quantum Dots Supported Mo3S4 as a Promising Candidate for Pt-Free Counter Electrode in Dye-Sensitized Solar Cell and Supercapacitor Applications. 2021 , 10, 091002	2
454	A review of graphene-TiO and graphene-ZnO nanocomposite photocatalysts for wastewater treatment. 2021 , 93, 2414-2460	7
453	Graphene oxide synthesis using modified Tour method. 2021 , 12, 035006	1

452	One step synthesis approach of mesoporous silica packed with graphene oxide nanosheet: Characterisation and drug release aspects. 1-14	Ο
451	Introduction of Carbon Nanostructures. 2022 , 1-26	
450	Adsorptive removal of antibiotic ofloxacin in aqueous phase using rGO-MoS heterostructure. 2021 , 417, 125982	8
449	High oriented graphite film with high thermal conductivity prepared by pure polyimide film formed with catalyst pyridine. 2021 , 47, 24519-24526	1
448	Enhanced mechanical and damping properties of epoxy using aggregated nanoparticles organic-inorganic hybrid as a filler. 1-14	1
447	Hybrid Nanofluids as Renewable and Sustainable Colloidal Suspensions for Potential Photovoltaic/Thermal and Solar Energy Applications. 2021 , 9, 737033	7
446	Development of Graphene-Based Polymeric Nanocomposites: A Brief Overview. 2021 , 13,	5
445	Adsorption of Brilliant Blue and Malachite Green by Nano-graphene Exfoliated from Waste Batteries. 2021 , 44, 1877-1889	
444	Graphitic carbon nitride embedded with graphene materials towards photocatalysis of bisphenol A: The role of graphene and mediation of superoxide and singlet oxygen. 2021 , 278, 130334	7
443	Thermosensitive and magnetic molecularly imprinted polymers for selective recognition and extraction of aristolochic acid I. 2022 , 372, 131250	4
442	Magnesium hydroxide/graphene oxide chip in flakes structure and its fire-retardant reinforcement of polypropylene. 2021 , 28, 1	3
441	Spontaneous exfoliation of large-sized graphene oxide with low defect concentration by simple wet chemistry. <i>Carbon</i> , 2021 , 182, 214-222	10.4 3
440	Preparation of Modified Fluorographene Oxide with Interlayer Supporting Structure. 2021, 13,	
439	Functionalized GO@ZIF-90-supported sulfuric acid and its application in the catalytic synthesis of sulfonamides. 1	O
438	Upcycling Real Waste Mixed Lithium-Ion Batteries by Simultaneous Production of rGO and Lithium-Manganese-Rich Cathode Material. 2021 , 9, 13303-13311	4
437	Impact of dispersed graphene oxide on thermodynamical, optical, electro optical and dielectric properties of nematic liquid crystal. 1-19	1
436	A polypyrrole/GO/ZnO nanocomposite modified pencil graphite electrode for the determination of andrographolide in aqueous samples. 2021 ,	23
435	Fast and low-consumption granular NiCo-LDH/graphene nanosheet composites for high-performance supercapacitor electrodes. 2021 , 32, 23750-23761	1

434	GO-TiC two-dimensional heterojunction nanomaterial for anticorrosion enhancement of epoxy zinc-rich coatings. 2021 , 417, 126048		18
433	Graphene Oxide Synthesis, Properties and Characterization Techniques: A Comprehensive Review. 2021 , 5, 64		2
432	Electrochemical sensor for detection of tryptophan in the milk sample based on MnWO4 nanoplates encapsulated RGO nanocomposite. 2021 , 625, 126889		7
431	Self-assembled graphene oxide-based paper/hollow sphere hybrid with strong bonding strength. <i>Carbon</i> , 2021 , 182, 366-372	10.4	
430	Reinforced polymeric nanocomposites of the Amino-Decorated Polycalix[4]resorcinarene with graphene oxide and reduced graphene oxide as promising candidates in materials science. 2021 , 271, 115273		2
429	Folding-induced in-plane birefringence in homeotropically aligned graphene-oxide liquid crystal films formed by solution shear. 1-11		1
428	Graphene oxide/PVC composite papers functionalized with p-Phenylenediamine as high-performance sorbent for the removal of heavy metal ions. 2021 , 9, 105916		6
427	Gas and humidity sensing with quartz crystal microbalance (QCM) coated with graphene-based materials [A mini review. 2021 , 330, 112837		18
426	Synthesis and scalability of graphene and its derivatives: A journey towards sustainable and commercial material. 2021 , 318, 128603		9
425	Harmonic Analysis of the Nonlinear Response of Graphene Oxide-Based Memristors. 2021 , 68, 4938-494	13	
424	One-pot hydrothermal synthesis of N-rGO supported Fe2O3 nanoparticles as a superior anode material for lithium-ion batteries. 2021 , 368, 115693		7
423	Temperature-dependent site selection of boron doping in chemically derived graphene. <i>Carbon</i> , 2021 , 184, 253-265	10.4	1
422	High microwave absorption performance of NiS2/rGO nanocomposites with a thin thickness. 2021 , 157, 110222		10
421	Single-step synthesis of AgNPs@rGO composite by e-beam from DC-plasma for wound-healing band-aids. 2021 , 8, 100185		
420			
	Preparation of Ni-W-eGO composite coatings and investigation of its mechanical properties and corrosion resistance. 2021 , 629, 127385		4
419			6
	corrosion resistance. 2021 , 629, 127385 Statistical screening and optimization of photocatalytic degradation of methylene blue by		

416	Controlled bimatoprost release from graphene oxide laden contact lenses: In vitro and in vivo studies. 2021 , 208, 112096	5
415	A novel label-free electrochemical immunesensor for ultrasensitive detection of LT toxin using prussian blue@gold nanoparticles composite as a signal amplification. 2021 , 142, 107887	2
414	Composite PVDF ultrafiltration membrane tailored by sandwich-like GO@UiO-66 nanoparticles for breaking the trade-off between permeability and selectivity. 2021 , 276, 119308	7
413	Efficiency enhancement of a solar collector by examine Graphene-Silica/water mixture: A comprehensive study based on the empirical / numerical results. 2021 , 48, 101604	1
412	High-performance electromagnetic interference shielding epoxy/Ag nanowire/thermal annealed graphene aerogel composite with bicontinuous three-dimensional conductive skeleton. 2021 , 151, 106648	6
411	Phase change materials with Fe3O4/GO three-dimensional network structure for acoustic-thermal energy conversion and management. 2021 , 426, 130789	9
410	Structural/load bearing characteristics of polymer-graphene composites. 2022 , 379-400	
409	Fabrication of graphene oxide-p-phenylenediamine nanocomposites as fluorescent chemosensors for detection of metal ions. 2022 , 204, 111914	2
408	Adsorption of polycyclic aromatic hydrocarbons from wastewater using graphene-based nanomaterials synthesized by conventional chemistry and green synthesis: A critical review. 2022 , 422, 126904	9
407	Performance of Graphene: A Brief Literature Review on Technologies for Composite Manufacturing. 2021 , 1-18	
406	Difficulties in Thin Film Synthesis. 2021 , 251-273	
405	Micropores within N,S co-doped mesoporous 3D graphene-aerogel enhance the supercapacitive performance. 2021 , 45, 7523-7532	1
404	Polyoxometalates (POMs): from electroactive clusters to energy materials. 2021 , 14, 1652-1700	46
403	Electrophoretic deposition of graphene on basalt fiber for composite applications. 2021 , 10, 158-165	6
402	Studies on the Optical and Structural Properties of Exfoliated Graphene Oxide. 2021, 465-471	
401	Thermal interface materials with graphene fillers: review of the state of the art and outlook for future applications. 2021 , 32, 142003	37
400	The effectiveness of Soxhlet extraction as a simple method for GO rinsing as a precursor of high-quality graphene. 2021 , 3, 5292-5300	О
399	Graphene: Synthesis, Properties and Application. 139-193	1

398	Difficulties in Thin Film Synthesis. 2020 , 1-23	1
397	Optimization of Graphene Oxide Synthesis and Its Reduction. 2015 , 467-484	3
396	Graphene Oxide: Synthesis and Characterization. 2017 , 1-28	2
395	Production of Bionanomaterials from Agricultural Wastes. 2017 , 33-58	26
394	Graphene Oxide P olymer Gels. 2018 , 377-412	1
393	Recent advancements in graphene adsorbents for wastewater treatment: Current status and challenges. 2020 , 31, 2525-2538	44
392	Controllable synthesis of cross-linked CoAl-LDH/NiCo2S4 sheets for high performance asymmetric supercapacitors. 2017 , 43, 14168-14175	49
391	Low-cost route for top-down synthesis of over- and low-oxidized graphene oxide. 2020 , 600, 124928	12
390	Coordination polymer-derived cobalt-embedded and N/S-doped carbon nanosheet with a hexagonal core-shell nanostructure as an efficient catalyst for activation of oxone in water. 2020 , 579, 109-118	17
389	Feasibility of removal of graphene oxide particles from aqueous suspensions by DC/AC electrocoagulation. 2020 , 36, 101249	3
388	Enhancing hydroxide conductivity of anion exchange membrane via incorporating densely imidazolium functionalized graphene oxide. 2019 , 333, 83-92	17
387	Surface Engineering of Three-Dimensional-like Hybrid AB2O4 (AB = Zn, Co, and Mn) Wrapped on Sulfur-Doped Reduced Graphene Oxide: Investigation of the Role of an Electrocatalyst for Clioquinol Detection. 2021 , 3, 362-372	23
386	Green Reduction of Graphene Oxide using Kaffir Lime Peel Extract (Citrus hystrix) and Its Application as Adsorbent for Methylene Blue. 2020 , 10, 667	28
385	New modeling of 3D quaternary type BaCuZnS-graphene-TiO (BCZS-G-T) composite for photosonocatalytic hydrogen evolution with scavenger effect. 2020 , 19, 1765-1775	2
384	Preparation of magnetized iron oxide grafted on graphene oxide for hyperthermia application. 2019 ,	2
383	In Situ Green Synthesis and Functionalization of Reduced Graphene Oxide on Cellulose Fibers by Cannabis sativa L. Extract. 2019 , 8, 20180149	1
382	Composite adsorbents including oxidized graphene: effect of composition on mechanical durability and adsorption of pesticides. 2019 , 10, 432-445	3
381	Ultrasound Assisted Dispersive Solid Phase Microextraction of Thymol and Carvacrol in Pharmaceutical Products Using Graphene Oxide as an Adsorbent Prior to Analysis by High Performance Liquid Chromatography. 2020 , 16, 578-584	3

380	Improved Performance of CuFe2O4/rGO Nanohybrid as an Anode Material for Lithium-ion Batteries Prepared Via Facile One-step Method. 2019 , 15, 420-429	19
379	Toward Large-Scale Production of Oxidized Graphene. 2020 , 10,	22
378	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant. 2020, 10,	18
377	Water Dispersible Few-Layer Graphene Stabilized by a Novel Pyrene Derivative at Micromolar Concentration. 2018 , 8,	6
376	Synthesis of Graphene Oxide (GO) by Modified Hummers Method and Its Thermal Reduction to Obtain Reduced Graphene Oxide (rGO)*. 2017 , 06, 1-18	426
375	Performance Comparison of CVD Grown Carbon Nanofiber Based on Single- and Multi-Layer Graphene Oxides in Melt-Compounded PA6.6 Nanocomposites. 2019 , 09, 99-123	2
374	FACILE FUNCTIONALIZATION OF sp2 CARBON ALLOTROPES WITH A BIOBASED JANUS MOLECULE. 2017 , 90, 285-307	17
373	Graphene Oxide Nanoparticles Decorated Pencil Lead as Urea Sensing Electrode. 2021 , 33, 2857-2863	
372	Reduced graphene oxide coating on basalt fabric using electrophoretic deposition and its role in the mechanical and tribological performance of epoxy/basalt fiber composites. 2021 , 10, 1383-1394	1
371	Modifiye Hummers Y🏿 🛱 temi ile Elde Edilen Grafen Oksit Sentezleri 🖺 ໂh: Kṣ̃ṃ3, Fourier D🗘 🛱 🖟 🖟 🖟 Kṣ̃ṭĐ Lesi Spektroskopisi Analizi.	
370	Modifiye Hummers Y lītemi ile Elde Edilen Grafen Oksit Sentezleri līth: K šm 4, Raman Spektroskopisi Analizi.	
369	Effect of Nitrogen Doping on the Optical Bandgap and Electrical Conductivity of Nitrogen-Doped Reduced Graphene Oxide. 2021 , 26,	3
368	Modifiye Hummers Y🏿 🗓 temi ile Elde Edilen Grafen Oksit Sentezleri 🖺 l͡n: K̄s̄m 1, X l̄B̄-Difraksiyonu Analizi.	
367	Modifiye Hummers Y目間temi ile Elde Edilen Grafen Oksit Sentezleri 目fh: Kšṃ 2, X 暗于otoelektron Spektroskopisi Analizi.	
366	Synthesis of B-RGO-MWCNT/CuFeO2 Composite for Efficient Hydrogen Evolution Reaction.	O
365	Designing of Fe2O3/GO heterostructure with enhanced photocatalytic activity and biological applications. 2021 , 6, 1	
364	Synthesis and characterization of fluorine functionalized graphene oxide dispersed quinoline-based polyimide composites having low-k and UV shielding properties.	3
363	Efficient preparation of high-quality graphene via anodic and cathodic simultaneous electrochemical exfoliation under the assistance of microwave. 2021 , 608, 1422-1431	O

362	Metal Nanoparticles and Carbon-Based Nanomaterials for Improved Performances of Electrochemical (Bio)Sensors with Biomedical Applications. 2021 , 14,	10
361	Single-layer graphene oxide as corrosion inhibition protection for Cu under 0.5 M H2SO4 solution. 2021 , 9, 045016	3
360	Graphene Biodevices for Early Disease Diagnosis Based on Biomarker Detection. 2021 , 6, 3841-3881	7
359	Nanolif YapŧPoli (Akrilonitril-Vinil Asetat)/ Grafen Oksit Yapŧarñ Karakterizasyonu. 2016 , 23, 89-92	
358	Chapter 8:Graphene-based Membranes for Purification and Separation Applications. 2018, 163-187	
357	Features of mechanical scanning probe lithography on graphene oxide and As(Ge)Se chalcogenide resist. 2018 , 21, 152-159	
356	Nanotechnology: Science and Technology at New Length Scale with Implications in Defense. 2019 , 35-79	
355	AN□ LISE TERMOGRAVIM□ LIRICA DE □ LIDO DE GRAFENO COM DIFERENTES N□ LIEIS DE OXIDA□ LID.	
354	Preparation of rGO/Bi2O3 composites by hydrothermal synthesis for supercapacitor electrode. 2019 , 70, 101-106	2
353	Fabrication of copper nanowire and hydroxylated graphene hybrid with high conductivity and excellent stability. 2020 , 19, 100619	1
352	Mixing of Graphite with X-ray Irradiated Water Towards the Exfoliation of Graphene Layers. 2020 , 10, 548-556	
351	Multi-Scale Photoacoustic Assessment of Wound Healing Using Chitosan-Graphene Oxide Hemostatic Sponge. 2021 , 11,	О
350	Graphene Oxide Based Electrochemical Genosensor for Label Free Detection of from Raw Clinical Samples. 2021 , 16, 7339-7352	1
349	Graphene Reinforced PVA Nanocomposites and Their Applications. 2021 , 107-134	
348	Graphene Oxide: Structure, Properties, Synthesis, and Reduction (A Review). 2020 , 65, 1965-1976	6
347	Influence of graphene oxide synthesis methods on the electrical conductivity of cotton/graphene oxide composites. 1-11	Ο
346	Fabrication of a highly hard yet tough epoxy nanocomposite coating by incorporating graphene oxide nanosheets dually modified with amino silane coupling agent and hyperbranched polyester-amide. 2022 , 162, 106570	1
345	Electrical and Mechanical Properties of Zirconia-Graphene Composites. 2020 , 2, 27-41	1

344	Fabrication of recyclable reduced graphene oxide/graphitic carbon nitride quantum dot aerogel hybrids with enhanced photocatalytic activity 2021 , 11, 35147-35155	Ο
343	Graphene Synthesis and Antibody Immobilization Techniques for Immunosensors. 2020, 21-34	
342	RGO:V2O5 nanofibril composite as cathode in lithium-ion battery. 2020 ,	1
341	Surface Modification of Li Metal Electrode with PDMS/GO Composite Thin Film: Controlled Growth of Li Layer and Improved Performance of Lithium Metal Battery (LMB). 2020 , 30, 38-45	
340	Low-threshold field electron emission from graphene nanostructures. 1-6	
339	Microwave assisted ultrafast synthesis of graphene oxide based magnetic nano composite for environmental remediation. 2021 , 48, 4821-4821	O
338	Controlling the surface-enhanced Raman scattering performance of graphene oxide by laser irradiation. 2021 , 108698	Ο
337	Nanostructured scaffolds containing graphene oxide for nanomedicine applications.	1
336	Reduced graphene oxide -MnO nanocomposite for CO capture from flue gases at elevated temperatures. 2021 , 151522	3
335	Nitrogen-doped redox graphene as a negative electrode additive for lead-acid batteries. 2021 , 44, 103454	3
334	Synergetic Effect of Graphene Oxide and Metal Organic Framework Nanocomposites as Electrocatalysts for Hydrogen Evolution Reaction. 2021 , 23-54	O
333	Pulsed versus continuous-wave Laser deoxygenation of graphene oxide suspensions. 2020 , 956, 012009	
332	Carbon nanoparticles. 2021 , 253-295	
331	Graphene: Structure, properties, preparation, modification, and applications. 2022 , 1-24	
330	Properties of free-standing graphene oxide/silver nanowires films and effects of chemical reduction and gamma irradiation. 2022 , 283, 116980	O
329	Recent advances on bioprinting of hydrogels containing carbon materials. 2022 , 23, 100617	3
328	Enhancement of fabricfnortar interfacial adhesion by particle decoration: insights from pull-off measurements. 2021 , 54, 1	1
327	Graphene oxide enriched with oxygen-containing groups: on the way to an increase of antioxidant activity and biocompatibility. 2021 , 112232	7

326	In Situ Femtosecond-Laser-Induced Fluorophores on Surface of Polyvinyl Alcohol for HO/Co Sensing and Data Security. 2021 , 21,	
325	Chitosan and functionalized graphene oxide nanocomposite as a novel and highly efficient catalyst for production of bis-coumarins under solvent-free conditions. 1	0
324	One-pot temperature-controlled hydrothermal synthesis of HMnO2 nanoparticles decorated thermally reduced graphene oxide composite as high-performance flexible aqueous symmetric supercapacitors. 2021 , 108707	1
323	Graphene Synthesis and Its Recent Advances in Applications Review. 2021, 7, 76	2
322	WEARABLE TEXTILE-BASED PIEZOELECTRIC NANOGENERATORS WITH GRAPHENE/ZNO/AgNW.	
321	Graphene Family Nanomaterials (GFN)-TiO for the Photocatalytic Removal of Water and Air Pollutants: Synthesis, Characterization, and Applications 2021 , 11,	1
320	Graphene family nanomaterials- opportunities and challenges in tissue engineering applications. 2021 , 30, 100315	3
319	Rational Design of Graphene Derivatives for Electrochemical Reduction of Nitrogen to Ammonia. 2021 ,	9
318	Fabrication of PAMP/Au and GO/PAMP/Au nanosensors for electrochemical detection of paracetamol in pharmaceutical preparations. 2021 , 152, 1539-1552	1
317	Effect of electrolyte concentration on the electrochemical performance of RGOKOH supercapacitor. 2021 , 44, 1	6
316	Turbulence-induced formation of emulsion gels. 2021 , 81, 105847	0
315	Functionalized graphene with Platelet-like magnesium hydroxide for enhancing fire safety, smoke suppression and toxicity reduction of Epoxy resin. 2021 , 578, 152052	3
314	Effect of graphene size on the mechanical and damping properties of polyether amine modified r-GO and ZnO multi-nanoparticles filled epoxy. 2021 , 309, 131401	0
313	Multi-Layered Fluorinated Graphene Cathode Materials for Lithium and Sodium Primary Batteries: Effect of Interlayer Distance on Rate Capability.	
312	Graphene Oxide(Ferrocenylmethyl) Dimethylammonium Nitrate Composites as Catalysts for Ammonium Perchlorate Thermolysis.	4
311	Microwave-exfoliated graphene oxide for high voltage Water-in-Saltlelectrolyte-based supercapacitor.	O
310	An experimental investigation and comprehensive modelling of thermal and rheological behaviour of graphene oxide nano platelets suspended mineral oil nano lubricant. 2022 , 347, 118357	0
309	Green synthesis of a MnO-GO-Ag nanocomposite using leaf extract of Fagonia arabica and its antioxidant and anti-inflammatory performance. 2022 , 29, 100835	1

308	Electrostatic self-assembly assisted hydrothermal synthesis of bimetallic NiCo2S4@N, S co-doped graphene for high performance asymmetric supercapacitors. 2022 , 404, 139751	1
307	Compositing of MIL-101(Fe) with reduced graphene oxide and polyaniline for capacitive energy storage. 2022 , 278, 125641	О
306	Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. 2022 , 23, 100755	2
305	Monodisperse branched nickel carbide nanoparticles in situ grown on reduced graphene oxide with excellent electromagnetic absorption properties. 2022 , 900, 163453	3
304	A waste-derived nanocomposite sealant for repairing micro-cracks in concrete. 2022 , 48, 103965	1
303	Design of Electrochemical Nanobiosensor in the Diagnosis of Prostate Specific Antigen (PSA) Using Nanostructures. 2020 ,	2
302	Novel One-Step Process for the Production of Bioplastic from Rapeseed Press Cake. 2021 , 9, 1498	0
301	Enhanced hydrogen permeance through graphene oxide membrane deposited on asymmetric spinel hollow fiber substrate. 2022 , 47, 9616-9626	O
300	Graphene-Polymer Nanocomposites for Environmental Remediation of Organic Pollutants. 2022 , 321-349	
299	Recent advances on graphene-based materials as cathode materials in lithium-sulfur batteries. 2022 , 47, 8630-8657	2
298	Enhanced adsorption performance of chitosan/cellulose nanofiber isolated from durian peel waste/graphene oxide nanocomposite hydrogels. 2022 , 17, 100650	0
297	Novel preparation of attapulgite-reduced graphene oxide hydrogel composite and its application in flexible solid-state supercapacitors 2022 ,	
296	Synergistically improved thermal stability and electromagnetic interference shielding effectiveness (EMI SE) of in-situ synthesized polyaniline/sulphur doped reduced graphene oxide (PANI/S-RGO) nanocomposites. 2022,	2
295	Composite membrane by incorporating sulfonated graphene oxide in polybenzimidazole for high temperature proton exchange membrane fuel cells. 2022 , 47, 9004-9017	4
294	Separation, purification, regeneration and utilization of graphite recovered from spent lithium-ion batteries - A review. 2022 , 10, 107312	2
293	Graphene oxide-polyaniline conducting composite film deposited on platinum-iridium electrode by electrochemical polymerization of aniline: Synthesis and environmental electrochemistry application. 2022 , 7, 100212	2
292	Graphene oxide-naphthalene sulfonate blends as possible proton exchange membranes. 2022 , 376, 115858	1
291	Efficient removal of selected fluoroquinolones from the aqueous environment using reduced magnetic graphene oxide/polyaniline composite 2022 , 133452	4

2 90	Graphene aerogel-based NiAl-LDH/g-C3N4 with ultratight sheet-sheet heterojunction for excellent visible-light photocatalytic activity of CO2 reduction. 2022 , 306, 121065	13
289	Advances in graphene oxide based nanobiocatalytic technology for wastewater treatment. 2022 , 17, 100647	4
288	Gold Decorated Shape-Tailored Zinc Oxide-rGO Nanohybrids: Candidate for Pathogenic Microbe Destruction and Hazardous Dye Degradation. 2022 , 641, 128465	1
287	Application of Graphene-Related Materials in Organic Solar Cells 2022, 15,	2
286	Graphene and graphene oxide with anticancer applications: Challenges and future perspectives 2022 , 3, e118	2
285	Enhanced in tunning of photochemical and electrochemical responses of inorganic metal oxide nanoparticles via rGO frameworks (MO/rGO): A comprehensive review. 2022 , 278, 115632	1
284	Catalytic and Medical Potential of a Phyto-Functionalized Reduced Graphene Oxide-Gold Nanocomposite Using Willow-Leaved Knotgrass 2021 , 6, 34954-34966	9
283	Effect of electrolyte concentration on the electrochemical performance of RGO-Na2SO4 supercapacitor. 2022 , 54, 958-962	
282	Electrochemical Synthesis of Graphene Oxide from Graphite Flakes Exfoliated at Room Temperature.	
281	Highly selective detection of ethanol in biological fluids and alcoholic drinks using indium ethylenediamine functionalized graphene.	O
280	Enhanced nonlinear optical absorption in defect enriched graphene oxide and reduced graphene oxide using continuous wave laser z-scan technique. 2022 , 55, 186-193	1
279	Role of Graphene Oxide Based Nanocomposites in Arsenic Purification from Ground Water. 2022 , 369-388	1
278	A modified spin-casting approach for scalable preparation of ultra-thick reduced graphene oxide films with high thermal conductivity. 2022 , 9, 036405	
277	Facile scalable synthesis of graphene oxide and reduced graphene oxide: comparative investigation of different reduction methods. 1	O
276	Nitrogenated Graphene Oxide-Decorated Metal Sulfides for Better Antifouling and Dye Removal 2022 , 7, 9674-9683	1
275	A Literature Review of Modelling and Experimental Studies of Water Treatment by Adsorption Processes on Nanomaterials 2022 , 12,	O
274	All-Electrochemical Nanofabrication of Stacked Ternary Metal Sulfide/Graphene Electrodes for High-Performance Alkaline Batteries 2022 , e2106403	О
273	Graphene Oxide Nanofiltration Membrane Based on Three-Dimensional Size-Controllable Metal Drganic Frameworks for Water Treatment.	6

272	Transparent, Photothermal, and Icephobic Surfaces via Layer-by-Layer Assembly 2022, e2105986	2
271	Graphene from Spent Lithium-Ion Batteries.	1
270	Graphene oxide-chitosan composite material as adsorbent in removing methylene blue dye from synthetic wastewater. 2022 ,	1
269	Application of Cr-metal organic framework (MOF) modified polyaniline/graphene oxide materials in supercapacitors. 2022 , 28, 2349	O
268	A comprehensive review on the thermal, electrical, and mechanical properties of graphene-based multi-functional epoxy composites. 1	4
267	Enhanced microstructural characteristics of binary and ternary blended cements reinforced with graphene oxide. 1-15	3
266	Preparation and characterization of graphene oxide-Chitosan composite film for ultrathin hyaluronic acid hydrogels. 1-10	
265	3D-printed hydroxyapatite/gelatin bone scaffolds reinforced with graphene oxide: Optimized fabrication and mechanical characterization. 2022 , 48, 10155-10163	1
264	Development of a nanocomposite coating with anti-corrosion ability using graphene oxide nanoparticles modified by Echium ammonium extract. 2022 , 166, 106778	0
263	Superior cycling stability of saturated graphitic carbon nitride in hydrogel reduced graphene oxide anode for Sodium-ion battery. 2022 , 33, 100351	O
262	Insight into immobilization efficiency of Lipase enzyme as a biocatalyst on the graphene oxide for adsorption of Azo dyes from industrial wastewater effluent. 2022 , 354, 118849	0
261	Hydrogenated castor oil modified graphene oxide as self-thixotropic nanofiller in high solid polyaspartic coatings for enhanced anti-corrosion performance. 2022 , 167, 106836	
260	Recent advances in membrane-enabled water desalination by 2D frameworks: Graphene and beyond. 2022 , 531, 115684	9
259	Electrospun Ag-decorated reduced GO-graft-chitosan composite nanofibers with visible light photocatalytic activity for antibacterial performance 2022 , 134436	3
258	Graphene oxide enhances thermal stability and microwave absorption/regeneration of a porous polymer 2022 , 433, 128792	O
257	An overview of the preparation and characteristics of phase change materials with nanomaterials. 2022 , 51, 104353	1
256	Artificial neural networks/least squares fuzzy system methods to optimize the performance of a flat-plate solar collector according to the empirical data. 2022 , 52, 102062	1
255	An overview on chemical processes for synthesis of graphene from waste carbon resources. 1	O

254	Preparation of Graphene Oxide/Cellulose Composites with Microcrystalline Cellulose Acid Hydrolysis Using the Waste Acids Generated by the Hummers Method of Graphene Oxide Synthesis 2021 , 13,	3
253	A review of graphene oxide/cement composites: Performance, functionality, mechanisms, and prospects. 2022 , 104502	6
252	Polyvinyl Alcohol/Graphene Oxide Conductive Hydrogels via the Synergy of Freezing and Salting Out for Strain Sensors 2022 , 22,	1
251	The Use of High Capacity and Efficient Magnetic Reduced Graphene Oxide Composite for the Reduction of Aflatoxin B1.	
250	Performance of Graphene: A Brief Literature Review on Technologies for Composite Manufacturing. 2022 , 453-470	
249	Nanocomposites based on the graphene family for food packaging: historical perspective, preparation methods, and properties 2022 , 12, 14084-14111	1
248	Preparation of paraffin/silica@raphene shape-stabilized composite phase change materials for thermal energy storage. 1	O
247	Microfabricated Solid-Contact Potentiometric Sensor for Determination of Tedizolid Phosphate, Application to Content Uniformity Testing.	1
246	Properties and Applications of Graphene and Its Derivatives in Biosensors for Cancer Detection: A Comprehensive Review. 2022 , 12, 269	2
245	Polyacrylonitrile/Reduced Graphene Oxide Free-Standing Nanofibrous Membranes for Detecting Endocrine Disruptors.	1
244	Chemical Production of Graphene Oxide with High Surface Energy for Supercapacitor Applications. 2022 , 8, 27	1
243	Robust PDMS-based Porous Sponge with Enhanced Recyclability for Selective Separation of Oil-Water Mixture. 2022 , 129228	O
242	Novel approach in synthesizing graphene oxide grafted polyethylene glycol via Steglich Esterification.	
241	Quantum dots of graphene oxide as nano-additive triggers macroscale superlubricity with an extreme short running-in period. 2022 , 100219	2
240	Enhanced electron transfer due to rGO makes Ag-CaTiO3@rGO a promising plasmonic photocatalyst. 2022 , 100468	0
239	Synthesis of Needle-like Nanostructure Composite Electrode of Co3O4/rGO/NF for High-Performance Symmetric Supercapacitor. 2022 , 12, 664	2
238	Correlation between multiple chemical modification strategies on graphene or graphite and physical/electrical properties. 2022 , 33, 100376	О
237	A Redox-Active 2-D Covalent Organic Framework as a Cathode in an Aqueous Mixed-Ion Electrolyte Zn-Ion Battery: Experimental and Theoretical Investigations.	1

236	Sortase-mediated immobilization of Candida antarctica lipase B (CalB) on graphene oxide; comparison with chemical approach. 2022 , 34, e00733	О
235	Few-layer graphene as an additive in negative electrodes for lead-acid batteries. 2022, 753, 139273	O
234	Cerium-doped tannic acid-reduced graphene oxide nanoplatform/epoxy nanocomposite coatings with enhanced mechanical and Bi-functional corrosion protection properties. 2022 , 109969	4
233	Electrochemical Synthesis of Graphene Oxide from Graphite Flakes Exfoliated at Room Temperature. 2022 , 153788	O
232	Realizing Spontaneously Regular Stacking of Pristine Graphene Oxide by a Chemical-Structure-Engineering Strategy for Mechanically Strong Macroscopic Films.	O
231	Cross-linked laminar graphene oxide membranes for wastewater treatment and desalination: A review. 2022 , 317, 115367	2
230	High-areal-capacity of micron-sized silicon anodes in lithium-ion batteries by using wrinkled-multilayered-graphenes. 2022 , 50, 234-242	6
229	Improvement of electromagnetic interference properties of 3D few-layer graphene composite by means of freeze-drying. 2022 ,	
228	Recent Progress in Graphene-Based Electrocatalysts for Hydrogen Evolution Reaction. 2022, 12, 1806	1
227	Synthesis and characterization of graphene oxide-based nanofluids and study of their thermal conductivity.	
226	Ultrasonic and thermodynamic investigation of reduced graphene oxide-n methyl-2-pyrrolidone nanosuspension. 2022 , 2267, 012098	
225	Scalability of biomass-derived graphene derivative materials as viable anode electrode for a commercialized microbial fuel cell: A systematic review. 2022 ,	1
224	Superior adsorption performance of citrate modified graphene oxide as nano material for removal organic and inorganic pollutants from aqueous solution. 2022 , 12,	1
223	rGO encapsulated ZnS photocatalysts for enhanced hydrogen evolution. 2022 , 323, 132534	О
222	The homojunction formed by h-In2O3(1 1 0) and c-In2O3(4 4 0) promotes carbon dioxide hydrogenation to methanol on graphene oxide modified In2O3. 2022 , 623, 1048-1062	O
221	Occurrence and Fate of Phthalates by Using Nano Titania-Graphene Based Photo-Catalyst and Photolysis for Tertiary Treated Effluent of Common Effluent Treatment Plants.	
220	Revealing Intrinsic Spin Coupling in Transition Metal-Doped Graphene.	1
219	Engineering van der Waals Materials for Advanced Metaphotonics.	2

218	The Effects of Graphene Oxide-Silica Nano-Hybrid Materials on the Rheological Properties, Mechanical Properties, and Microstructure of Cement-Based Materials. 2022 , 15, 4207	О
217	Gold nanoparticles and graphene oxide based low cost glucose sensing technique. 2022, 54,	
216	Graphene nanomaterials: The wondering material from synthesis to applications. 2022, 100190	4
215	Selection and Characterization of DNA Aptamers for Constructing Aptamer-AuNPs Colorimetric Method for Detection of AFM1. 2022 , 11, 1802	Ο
214	Molecular dynamics simulations and experimental studies of the perfluorosulfonic acid-based composite membranes containing sulfonated graphene oxide for fuel cell applications. 2022 , 174, 111345	0
213	Preparation of functionalized magnetic graphene oxide/lignin composite nanoparticles for adsorption of heavy metal ions and reuse as electromagnetic wave absorbers. 2022 , 297, 121509	1
212	A novel strategy for promoting PMS activation: Enhanced utilization of side reactions. 2022 , 297, 121432	0
211	Removal of toxic metals from wastewater environment by graphene-based composites: A review on isotherm and kinetic models, recent trends, challenges and future directions. 2022 , 840, 156564	3
210	Towards High-quality graphite oxide from graphite Systemization of the balance in oxidative and mechanical forces for yield enhancement. 2022 , 259, 117815	
209	Numerical analysis and two-phase modeling of water Graphene Oxide nanofluid flow in the riser condensing tubes of the solar collector heat exchanger. 2022 , 53, 102408	O
208	Confinement of Nitrogen-Doped Porous Carbon between Graphene Layers as a Bifunctional Electrode for Zinc-Air Battery-Driven Capacitive Deionization.	
207	Graphene oxide: Synthesis and properties. 2022 , 31-64	
206	Scalable Production of Electrochemically Exfoliated Graphene by an Extensible Electrochemical Reactor with Encapsulated Anode and Dual Cathodes.	
205	Gold Reduced Graphene Oxide (rGO) Nanocomposites as a Catalyst for the Reduction of o-nitroaniline. 2022 , 38, 610-614	
204	Preparation and characterization studies of nano graphene oxide. 2022,	0
203	The structural, optical, thermal, and electrical properties of synthesized PEO/GO thin films. 2022 , 128,	O
202	Charge Transport at the Interface between Graphene Oxide and Silk in Highly Flexible Commercial Silk-Based e-Textile Treated at High Temperatures.	
201	Development and Up-Scaling of Electrochemical Production and Mild Thermal Reduction of Graphene Oxide. 2022 , 15, 4639	1

200	Materials for evaporation-driven hydrovoltaic technology.	O
199	Optimization of Conditions for Removal Phenolic Compounds from Water by a Graphene Oxide Aerogel. 2022 , 7,	
198	Hybrid 2D-1D nanostructure of NiO composited with PEDOT: PSS and rGO: Bifunctional electrocatalyst towards methanol oxidation and oxygen evolution reaction.	
197	Graphene-Based Polymer Composites for Flexible Electronic Applications. 2022 , 13, 1123	3
196	Cleaner deoxygenation of graphene oxide from agro-byproducts for downstream and biological applications.	О
195	Sand coated with graphene oxide-PVA matrix for aqueous Pb2+ adsorption: Insights from optimization and modeling of batch and continuous flow studies. 2022 , 32, 102115	
194	Preparation of magnetic lignin/graphene aerogel and its adsorption properties to oil and organic solvents. 2022 , 187, 115372	
193	Removal of heavy metals and dyes from wastewater using graphene oxide-based nanomaterials: A critical review. 2022 , 18, 100719	1
192	Confinement of nitrogen-doped porous carbon between graphene layers as a bifunctional electrode for zinc-air battery-driven capacitive deionization. 2022 , 450, 138126	2
191	Effect of Ultrasonic Treatment on the Functional Groups and Lateral Size of Graphene Oxide Flakes. 2022 , 17, 402-410	
190	SEM and TEM Analyses of Graphene Oxide Syntheses Obtained with a New Approach.	
189	Interfacial interaction, bonding energy and configuration transformation of calcium silicate hydrate/graphene oxide coupled by grain boundary. 2022 , 128,	
188	Polymer functional group impact on the thermo-mechanical properties of polyacrylic acid, polyacrylic amide- poly (vinyl alcohol) nanocomposites reinforced by graphene oxide nanosheets. 2022 , 29,	4
187	Adsorption Kinetics of Hg(II) on Eco-Friendly Prepared Oxidized Graphenes. 2022, 12, 1154	
186	Machine Learning Enhanced Simultaneous and Multimodal Sensor Based on Moist-Electric Powered Graphene Oxide. 2205249	3
185	A review of top-down and bottom-up synthesis methods for the production of graphene, graphene oxide and reduced graphene oxide. 2022 , 57, 14543-14578	1
184	Oxidating Fresh Porous Graphene Networks toward Ultra-Large Graphene Oxide with Electrical Conductivity. 2202697	О
183	Synthesis of graphene oxide and its application for purification of river water. 2022,	O

182	Fabrication and characterization of graphene oxide and glass fiber-based hybrid epoxy composites.	O
181	Enhanced photocatalytic hydrogen evolution from reduced graphene oxide-defect rich TiO2-x nanocomposites. 2022 ,	O
180	Understanding the role of graphene oxide nanoribbonsfunctionalized carbon nanotubesgraphene oxide (GNFG) complex in enhancing the fire resistance of cementitious composites. 2022 , 348, 128637	О
179	Environmentally benign approach for the efficient sequestration of methylene blue and coomassie brilliant blue using graphene oxide emended gelatin/Ecarrageenan hydrogels. 2022 , 219, 353-365	2
178	In vivo toxicity and antibacterial assessment of Bi2Se3/GO/PVA nanocomposite synthesized via hydrothermal route. 2022 , 290, 126535	
177	Ultrasensitive and rapid detection of artemisinin based on bismuth tungstate dressed rGO nanocomposite. 2022 , 290, 126547	
176	Synthesis of graphene oxide using boric acid in hummers method. 2022 , 652, 129802	2
175	Enhanced boiling heat transfer by nucleation patterning with self-assembly of reduced graphene oxide coating. 2022 , 197, 123329	O
174	High aspect ratio copper nanowires and copper nanoparticles decorated by reduced graphene oxide for flexible transparent conductive electrodes. 2022 , 604, 154597	2
173	Graphene oxide functionalized diethanolamine sulfate as a novel, highly efficient and sustainable catalyst for the synthesis of 8-aryl-7H-acenaphtho[1,2-d] imidazoles.	O
172	A 3D rGO-supported NiFe2O4 heterostructure from sacrificial polymer-assisted exfoliation of NiFe-LDH for efficient oxygen evolution reaction. 2022 , 200, 422-429	O
171	Facile and scalable synthesis of reduced-graphene oxide using different green reducing agents and its characterizations. 2022 , 129, 109361	1
170	Graphene oxide-nanocomposite-based electrochemical sensors for the detection of organophosphate pesticides. 2023 , 635-658	O
169	Metal Oxide (Core)/Graphene Oxide (Shell) Nanocomposites Show Enhanced Organic Adsorption in Aqueous Solution.	O
168	Construction of adsorbents with graphene and its derivatives for wastewater treatment: a review. 2022 , 9, 3226-3276	1
167	A Review: Carbon-Based Materials for Photocatalytic Degradation of Agrochemicals. 2022 , 283-294	O
166	Tuning the Interlayer Distance of Graphene Oxide as a Function of the Oxidation Degree for Flat Molecules Removal.	О
165	Chitosan-based oxygen-doped activated carbon/graphene composite for flexible supercapacitors. 2022 , 12, 25807-25814	O

164	Investigation of Ceramic Based Composites by Using 2D Graphene Filler. 2022 , 11, 19-29	О
163	Formulation of conductive inks printable on textiles for electronic applications: a review. 2022 , 54, 103-200	Ο
162	Flash Nitrogen-Doped Graphene for High-Rate Supercapacitors. 2022 , 4, 1863-1871	1
161	Adsorption of Mercury on Oxidized Graphenes. 2022 , 12, 3025	O
160	Triboelectric Nanogenerator Based on PTFE Plastic Waste Bottle and Aluminum Foil. 2022, 2, 203-213	О
159	Reduced graphene oxide derived from urea-assisted solution combustion route and its electrochemical performance. 2022 , 45,	O
158	Reduced Graphene Oxide Derived from Low-Grade Coal for High-Performance Flexible Supercapacitors with Ultrahigh Cyclability. 2022 , 12, 2989	О
157	Fabrication of DNA based biosensors driven by electrostatic attractions on electrodes modified with reduced graphene oxide and multi-walled carbon nanotubes.	O
156	Colorimetric Detection of Antioxidants in Food Samples Using MnO2/Graphene Quantum Dot Composites with Oxidase-like Activity.	О
155	RHEOLOGY OF GRAPHENE OXIDE SUSPENSIONS IN AQUEOUS DRILLING FLUID. 2022 , 22, 140-141	O
154	Synthesis of phosphonated graphene oxide by electrochemical exfoliation to enhance the performance and durability of high-temperature proton exchange membrane fuel cells. 2022 ,	О
153	Enhanced room-temperature reduction of graphene oxide using Al as a supplement in the liquid phase HI. 2022 ,	Ο
152	Synthesized Nano composites of nano silica and reduced graphene with urea for nitrogen fertilizer capsule production and their evaluation.	О
151	Preparation and characterization of reduced graphene oxide incorporated ZnO nanorods for supercapacitor application.	O
150	Synthesis of CuFe2O4@GO nanocomposites with antibacterial and sonophotocatalytic properties for wastewater remediation.	O
149	Graphene Oxide Fibers: Synthesis Method and Correlation among Compositional, Vibrational, and Electrical Properties.	O
148	Flexible Hybrid Electronics Nanofiber Electrodes with Excellent Stretchability and Highly Stable Electrical Conductivity for Smart Clothing. 2022 , 14, 42441-42453	5
147	Reduction of Graphene Oxide Using Citrus hystrix Peels Extract for Methylene Blue Adsorption. 2022 , 14, 12172	O

146	Effect of Graphene Oxide Addition on the Anticorrosion Properties of the Phosphate Coatings in Neutral and Acidic Aqueous Media. 2022 , 15, 6588	O
145	Scalable production of electrochemically exfoliated graphene by an extensible electrochemical reactor with encapsulated anode and dual cathodes. 2022 , 155211	1
144	Progress in preparation, characterization, surface functional modification of graphene oxide: A review. 2022 , 101560	0
143	Research and application of graphite oxide-assisted high-gravity rotating bed liquid phase exfoliation of kaolinite.	O
142	Bismuth (III) oxide decorated graphene oxide filled epoxy nanocomposites: thermo-mechanical and photon attenuation properties. 1-27	1
141	Graphene Oxide Wrapped Hollow Mesoporous Carbon Spheres as A Dynamically Bipolar Host for Lithium-Sulfur Batteries.	1
140	A highly efficient rGO grafted MoS2 nanocomposite for dye adsorption and electrochemical detection of hydroquinone in wastewater.	2
139	3D-printed framework with gradient distributed heterojunction and fast Li+ conductivity interfaces for high-rate lithium metal anodes.	O
138	Heterogeneous photocatalytic degradation of phenol over Pd/rGO sheets. 2022,	O
137	Decoration of Reduced Graphene Oxide with Magnesium Oxide during Reflux Reaction and Assessment of Its Antioxidant Properties. 2022 , 8, 49	O
136	Microsphere Structure Composite Phase Change Material with Anti-Leakage, Self-Sensing, and Photothermal Conversion Properties for Thermal Energy Harvesting and Multi-Functional Sensor. 2209345	O
135	Application of Two-Dimensional Materials towards CMOS-Integrated Gas Sensors. 2022 , 12, 3651	1
134	Investigation of structural and optical properties of graphene derivatives as a route for optical sensing. 2022 ,	O
133	Enhanced Electrochemical Performances of Mn3O4/Heteroatom-Doped Reduced Graphene Oxide Aerogels as an Anode for Sodium-Ion Batteries. 2022 , 12, 3569	1
132	Graphene and Its Derivatives: Synthesis and Application in the Electrochemical Detection of Analytes in Sweat. 2022 , 12, 910	5
131	Laser-Shock-Driven In Situ Evolution of Atomic Defect and Piezoelectricity in Graphitic Carbon Nitride for the Ionization in Mass Spectrometry.	O
130	Effect of Process Parameters on the Graphite Expansion Produced by a Green Modification of the Hummers Method. 2022 , 27, 7399	0
129	Occurrence of Phthalates in common effluent treatment plants and removal by using Nano Titania-Graphene based photo-catalyst for tertiary treated effluent. 2022 , 8, 100192	O

128	Highly sensitive detection of arsenic in groundwater by paper-based electrochemical sensor modified with earth-abundant material. 2022 , 19, 100855	0
127	Recent Advances in Graphene and Graphene-Based Heterogeneous Nanocatalysts: CII And CII Coupling Reactions in Liquid Phase. 2022 , 7,	O
126	Z-scheme CuO/Fe3O4/GO heterojunction photocatalyst: Enhanced photocatalytic performance for elimination of tetracycline. 2022 , 309, 136721	Ο
125	Chemically reduced graphene oxide/chitosan hybrid; a nanoscale Habric Starch 12023, 609, 155229	Ο
124	A FACILE IMPROVED OXIDATION METHOD FOR ECOLOGICAL PRODUCTION OF GRAPHENE OXIDE. 2021 , 16, 119-124	0
123	Adsorption isotherms, kinetic modeling and thermodynamics of toxic crystal violet from aqueous solution on eco-friendly L-cysteine-reduced graphene oxide. 2022 ,	O
122	Fluorene intercalated graphene oxide based CoQ10 imprinted polymer composite as a selective platform for electrochemical sensing of CoQ10. 2022 , 12, 31639-31649	1
121	Wettability of ZnO and curcumin decorated Graphene oxide nanocomposite for heavy metal ion removal from water. 2022 ,	O
120	Inclusion of bimetallic Fe0.75Cu0.25-BDC MOFs into Alginate-MoO3/GO as a novel nanohybrid for adsorptive removal of hexavalent chromium from water. 2022 , 12,	0
119	Eco-Friendly Reduction of Graphene Oxide by Aqueous Extracts for Photocatalysis Applications. 2022 , 12, 3882	O
118	Graphene Oxide Decorated with Ag and CeO2 Nanoparticles as a Catalyst for Room-Temperature 4-Nitrophenol Reduction. 2022 , 12, 1393	1
117	Three-dimensional ZnOIIiO2/graphene aerogel for water remediation: The screening studies of adsorption and photodegradation. 2022 ,	Ο
116	Impact Absorbing Thermally Dissipative Epoxy Composite Liner for Helmets.	Ο
115	Nanostructured Graphene Oxide-Based Catalysts for Fischer Tropsch Synthesis. 2022 , 275-289	O
114	Graphene Synthesis Techniques and Environmental Applications. 2022, 15, 7804	1
113	Macromolecular bridging-enhanced holey graphene oxide-based film and its humidity deformation response. 2022 , 25, 105496	Ο
112	Reduction of graphene oxide by in-situ heating experiments in the transmission electron microscope. 2022 , 35, 102448	Ο
111	Novel insights into Graphene oxide-based adsorbents for remediation of hazardous pollutants from aqueous solutions: A comprehensive review. 2022 , 120821	Ο

110	Metal oxide encapsulated by 3D graphene oxide creates a nanocomposite with enhanced organic adsorption in aqueous solution. 2023 , 444, 130340	О
109	Preparation and water/oil separation of super-hydrophobic biomass adsorbent based on three-dimensional graphene aerogel.	O
108	Facile synthesize of PANI/GO/CuFe2O4 nanocomposite material with synergistic effect for superb performance supercapacitor. 2023 , 439, 141685	О
107	Fabrication of novel electroactive nickel sulfide@graphene oxide nanocomposite integrated transduction platform for non-enzymatic electrochemical sensing of Hydrogen Peroxide in environmental and biological samples. 2023 , 292, 117240	O
106	A novel photoelectrochemical sensor based on flower-like SnS2, sea urchin-like AgBiS2 and graphene oxide nanocomposite film for efficient and sensitive detection of acetaminophen in lake water samples. 2023 , 1239, 340681	О
105	A Non-Heat-Source Process for Preparing Graphene Oxide with Low Energy Consumption.	O
104	Weathering resistance (UV-shielding) improvement of a polyurethane automotive clear-coating applying metal-organic framework (MOF) modified GO nano-flakes (GO-ZIF-7). 2023 , 207, 110211	О
103	Emerging 4D printing strategies for on-demand local actuation & micro printing of soft materials. 2023 , 184, 111778	O
102	Binder free supercapacitor electrodes by hydrothermal deposition of thermally reduced graphite oxide on Nickel foam: Characterization and electrochemical performance. 2023 , 288, 116206	0
101	Temperature dependent intercalation of molten 1-hexadecanol into Brodie graphite oxide. 2023 , 203, 770-784	O
100	Small-load rGO as partial replacement for the large amount of zinc dust in epoxy zinc-rich composites applied in heavy-duty anticorrosion coatings. 2023 , 175, 107332	О
99	GO/ZnO nanocomposite - as transducer platform for electrochemical sensing towards environmental applications. 2023 , 313, 137345	O
98	Recent advances in graphene-derived materials for biomedical waste treatment. 2023, 51, 103440	О
97	MoS2/SnS2 synergistically cooperate with graphene to construct high-quality lithium storage anode materials. 2023 , 659, 130798	O
96	Design of a novel Ag-BaTiO3/GO ternary nanocomposite with enhanced visible-light driven photocatalytic performance towards mitigation of carcinogenic organic pollutants. 2023 , 308, 122839	0
95	Synthesis of Gold Nanoparticles and Their Reduced Graphene Oxide Nanocomposites Through a Simplified Approach and Assessment of Their Bactericidal Potential. 2022 , 14, 1361-1368	O
94	Multi-layered fluorinated graphene cathode materials for lithium and sodium primary batteries.	О
93	Preparation of TPU/GO/Mg-Al LDHs Hybrid Material With Enhancing Flame Retardancy and Smoke Suppression Performance. 2022 , 7,	O

92	High-Quality-Factor Quartz Crystal Microbalance Ammonia Sensor Based on Self-Assembled Film.	0
91	Rheological Investigation of Welding Waste-Derived Graphene Oxide in Water-Based Drilling Fluids. 2022 , 15, 8266	O
90	Synthesis of CuO/GO-DE Catalyst and Its Catalytic Properties and Mechanism on Ciprofloxacin Degradation. 2022 , 12, 4305	1
89	Optimization of the eco-friendly synthesis of graphene oxide from graphite using Plackett B urman and Box B ehnken models for industrial production orientation.	O
88	Conductive Textiles for Signal Sensing and Technical Applications. 2023, 4, 1-39	O
87	Comparison of photocatalytic and antibacterial activities of allotropes of graphene doped Sm 2 O 3 nanocomposites: Optical, thermal, and structural studies.	O
86	Design of a facile, green and efficient graphene oxide-based electrochemical sensor for analysis of acetaminophen drug.	1
85	Graphene-based Nanocomposites as Antibacterial, Antiviral, and Antifungal Agents. 2201523	O
84	Graphene environmental footprint greatly reduced when derived from biomass waste via flash Joule heating. 2022 , 5, 1394-1403	O
83	Application of HTS in Carbon Materials. 2023 , 97-143	O
83	Application of HTS in Carbon Materials. 2023, 97-143 Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023, 13, 18	0
	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement	
82	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023 , 13, 18 A Simple and Low-Cost Electrochemical Immunosensor for Ultrasensitive Determination of	О
82	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023, 13, 18 A Simple and Low-Cost Electrochemical Immunosensor for Ultrasensitive Determination of Calreticulin Biomarker in Human Serum. 2200390 Cell Behavior Changes and Enzymatic Biodegradation of Hybrid Electrospun Poly(3-Hydroxybutyrate)-Based Scaffolds with an Enhanced Piezoresponse after the Addition of	0
82 81 80	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023, 13, 18 A Simple and Low-Cost Electrochemical Immunosensor for Ultrasensitive Determination of Calreticulin Biomarker in Human Serum. 2200390 Cell Behavior Changes and Enzymatic Biodegradation of Hybrid Electrospun Poly(3-Hydroxybutyrate)-Based Scaffolds with an Enhanced Piezoresponse after the Addition of Reduced Graphene Oxide. 2201726 Capacitive deionization performance of asymmetric nanoengineered CoFe2O4 carbon	0 0
82 81 80	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023, 13, 18 A Simple and Low-Cost Electrochemical Immunosensor for Ultrasensitive Determination of Calreticulin Biomarker in Human Serum. 2200390 Cell Behavior Changes and Enzymatic Biodegradation of Hybrid Electrospun Poly(3-Hydroxybutyrate)-Based Scaffolds with an Enhanced Piezoresponse after the Addition of Reduced Graphene Oxide. 2201726 Capacitive deionization performance of asymmetric nanoengineered CoFe2O4 carbon nanomaterials composite.	0 0
82 81 80 79 78	Influence of Laboratory Synthesized Graphene Oxide on the Morphology and Properties of Cement Mortar. 2023, 13, 18 A Simple and Low-Cost Electrochemical Immunosensor for Ultrasensitive Determination of Calreticulin Biomarker in Human Serum. 2200390 Cell Behavior Changes and Enzymatic Biodegradation of Hybrid Electrospun Poly(3-Hydroxybutyrate)-Based Scaffolds with an Enhanced Piezoresponse after the Addition of Reduced Graphene Oxide. 2201726 Capacitive deionization performance of asymmetric nanoengineered CoFe2O4 carbon nanomaterials composite. Ultra-High Loading of Coal-Derived Flash Graphene Additives in Epoxy Composites. 2200640 Engineering Nanocomposite membranes of Sodium Alginate-Graphene Oxide for Efficient	O O O

74	The New Materials for Battery Electrode Prototypes. 2023 , 16, 555	0
73	A label-free electrochemical immunosensor based on Au-BSN-rGO for high-sensitive detection of EAmyloid 1-42.	O
72	Modification and development in the microstructure of PVA/CMC-GO/Fe3O4 nanocomposites films as an application in energy storage devices and magnetic electronics industry. 2023 ,	0
71	Fluorine-functionalized reduced graphene oxide-TiO2 nanocomposites: A new application approach for efficient photocatalytic disinfection and algicidal effect. 2023 , 319, 120974	O
70	Organic polymer doped graphene-based composite for the effective elimination of diclofenac: A detailed study with phytotoxic assessments. 2023 , 11, 109223	0
69	Green synthesis of reduced graphene oxide/chitosan/gold nanoparticles composites and their catalytic activity for reduction of 4-nitrophenol. 2023 , 229, 732-745	O
68	Wound dressing candidate materials based on casted films of cellulose acetate modified with zirconium oxide (ZrO2), and gallium oxide (Ga2O3). 2023 , 34, 105299	1
67	Laboratory Investigation on the Rutting and Fracture Resistance of Hot-Mix Asphalt Containing Nanographene Oxide. 2023 , 35,	O
66	Enhancement of oxygen adsorption using biomass-based oxidized porous carbon. 2023, 11, 109300	0
65	Design of ultra-thick graphene-molybdenum disulfide electrodes to reduce volume expansion and capacity fading by first principles. 2023 , 939, 168623	O
64	Catalytic hydrothermal liquefaction of microalgae over reduced graphene oxide support Ni catalyst. 2023 , 242, 107653	0
63	Boosting hole migration through oxygen speciesfunctionalized graphene interlayer for organic-based optoelectronic devices with enhanced efficiency and long-term durability. 2023 , 615, 156383	O
62	Oxidation of Alcohols into Carbonyl Compounds Using a CuO@GO Nano Catalyst in Oxygen Atmospheres. 2023 , 13, 55	0
61	PEDOT:PSS-Doped Graphene Oxide as an Alternative to Hole Transport Material and Transparent Conducting Electrode.	O
60	Graphene oxides and derivatives for biomedical applications: drug delivery/gene delivery, bioimaging, and therapeutics. 2023 , 131-166	0
59	Enhanced electrical properties of microcellular polymer nanocomposites via nanocarbon geometrical alteration: a comparison of graphene nanoribbons and their parent multiwalled carbon nanotubes.	O
58	Carbon Materials for Organophosphate Pesticide Sensing. 2023 , 11, 93	0
57	Kinetic investigation of the multi-step thermal decomposition of graphene oxide paper.	O

56	An Ultrasensitive miRNA-Based Genosensor for Detection of MicroRNA 21 in Gastric Cancer Cells Based on Functional Signal Amplifier and Synthesized Perovskite-Graphene Oxide and AuNPs. 2023 , 13, 172	О
55	Recent advances in two-dimensional materials for hydrovoltaic energy technology. 20220061	O
54	Enhanced ultra violet resistance of epoxy nanocomposites filled with liquid-like graphene oxide/silicon dioxide nanofluid. 2023 , 13, 3186-3192	О
53	Regulation binary electromagnetic filler networks in segregated poly(vinylidenefluoride) composite for absorption-dominated electromagnetic interference shielding.	O
52	Hydrogels with electrically conductive nanomaterials for biomedical applications.	О
51	Influence of thermal interfacings on reduced graphene oxide characteristics and its photocatalytic activity degrading Rhodamine B. 2023 , 34,	O
50	Facile fabrication of the hybrid of amorphous FePO4[2H2O and GO toward high performance sodium-ion batteries. 2023 , 176, 111243	О
49	Enhanced electrocatalytic activity of Pt-SnO2 nanoparticles supported on natural bentonite-functionalized reduced graphene oxide-extracted chitosan from shrimp wastes for methanol electro-oxidation. 2023 , 13,	O
48	Synthesis of Graphene Oxide from Sugarcane Dry Leaves by Two-Stage Pyrolysis. 2023 , 28, 3329	О
47	Rational structural design of graphene oxide/W18O49 nanocomposites realizes highly efficient removal of tetracycline in water. 2023 , 619, 156630	O
46	Visible-light-driven photocatalytic activity of NiFe2O4@Ti-doped ZnO magnetically separable nanoparticles anchored on N-doped rGO nanosheets. 2023 , 135, 109839	0
45	High-entropy Pt18Ni26Fe15Co14Cu27 nanocrystalline crystals in situ grown on reduced graphene oxide with excellent electromagnetic absorption properties. 2023 , 639, 193-202	O
44	Tailoring aligned and densified carbon nanotube@graphene coaxial yarn for 3D thermally conductive networks. 2023 , 208, 322-329	0
43	Amine-functionalized biochar: Highly re-useable and green alternative for heparin recovery from porcine intestinal mucosa. 2023 , 33, 101040	O
42	One-pot synthesis of boron-doped cobalt oxide nanorod coupled with reduced graphene oxide for sodium ion batteries. 2023 , 640, 710-718	0
41	A two-dimensional nickel-doped bismuth-layered double hydroxide structure as a bifunctional efficient electrode material for symmetric supercapacitors 2023 , 36, e00595	O
40	Highly stable ammonium ion-selective electrodes based on one-pot synthesized gold nanoparticle-reduced graphene oxide as ion-to-electron transducers. 2023 , 190, 108717	0
39	LiFePO4/rGO composite prepared from the leaching liquor of jarosite residue as a cathode material for lithium-ion batteries. 2023 , 952, 170105	O

38	High proton conductivity of the phosphate-linked graphene oxide monolith over a wide range from subzero to moderate temperature. 2023 , 323, 124037	O
37	Construction of hierarchical graphene/polyaniline@polyaniline electrodes by chemical and electrochemical polymerization for high-energy supercapacitors. 2023 , 454, 142414	O
36	Industrial waste reuse: An alternative source to reduced graphene oxide for preparing electrochemical sensors. 2023 , 454, 142382	0
35	Flexible graphene pressure sensor based on sponge sewn with cotton. 2023 , 354, 114266	O
34	Graphene oxide-(ferrocenylmethyl) dimethylammonium 3-nitro-1,2,4-triazol-5-one composites as catalysts on the combustion of HTPB propellant. 2023 , 249, 112620	О
33	Performance Analysis of Regenerated rGO Electrodes from Spent Li-ion Battery Anodes for Secondary Energy Device Applications. 2023 , 37, 3188-3195	O
32	Pristine/folate-functionalized graphene oxide as two intrinsically radioiodinated nano-theranostics: self/dual in vivo targeting comparative study. 2023 , 14,	O
31	State-of-the-Art Graphene Synthesis Methods and Environmental Concerns. 2023 , 2023, 1-23	O
30	Stepwise rapid electrolytic synthesis of graphene oxide for efficient adsorption of organic pollutants. 2023 , 15, 5919-5926	О
29	Highly crystalline selectively oxidized graphene for supercapacitors. 2023 , 38, 100483	O
28	Characterization of graphene-rubber nanocomposites: a review. 2023 , 29, 101397	O
27	Coupling of Mn2O3 with Heteroatom-Doped Reduced Graphene Oxide Aerogels with Improved Electrochemical Performances for Sodium-Ion Batteries. 2023 , 13, 732	O
26	Recent developments in GO/Cellulose based composites: Properties, synthesis, and its applications. 2023 , 270, 125786	O
25	Advancement in two-dimensional carbonaceous nanomaterials for photocatalytic water detoxification and energy conversion. 2023 , 11, 109517	O
24	H2O2-free strategy derived from Hummers method for preparing graphene oxide with high oxidation degree. 2023 , 38, 100487	O
23	Automated Approach to In Vitro Image-Guided Photothermal Therapy with Top-Down and Bottom-Up-Synthesized Graphene Quantum Dots. 2023 , 13, 805	1
22	L-ascorbic acid-reduced graphite oxide as active material for supercapacitors. 2023,	O
21	Two-Dimensional FeINII Single-Atomic-Site Catalysts with Boosted Peroxidase-Like Activity for a Sensitive Immunoassay. 2023 , 95, 4521-4528	O

20	An Amino Acid Grafted Graphene Oxide as Promising Material in Poly(urea-formaldehyde)-Epoxy Microcapsules for Enhancing the Interfacial Adhesion of Epoxy Coatings. 2023 , 35, 663-672	О
19	CarbonMetal Hybrid Nanomaterials for High Technologies. 2023 , 273-295	O
18	Synergistic Effect of Electrocatalytic Characteristics of a Redox Segment and Gas Barrier of rGO to Significantly Replace the Loading of Zinc Dust in Solvent-Based Epoxy Composites Applied for Heavy-Duty Anticorrosion Coatings. 2023 , 1, 955-969	0
17	Green-Synthesized Graphene for Supercapacitors Modern Perspectives. 2023, 7, 108	O
16	Exploring ternary hybrid nanocomposite of NiO@CuO embedded on reduced graphene oxide as supercapacitor electrode. 2023 , 34,	0
15	Ambipolar 2,2,6,6-tetramethylpiperidinyloxyl and unipolar KI/VOSO4 redox additives performance for ZnNH4PO4 @ carbon hollow sphere for battery-supercapacitor hybrid device. 2023 , 34,	O
14	High sensitivity carbon monoxide detector using iron tetraphenyl porphyrin functionalized reduced graphene oxide. 2023 , 18,	O
13	Ionic liquid functionalized graphene oxide for the adsorption of Ca2+ and Mg2+ ions from saline aqueous feed.	O
12	Graphene derivatives: Properties and potential food applications. 2023,	0
11	Utilization of graphene to attain sustainability in mine methodology: a review.	O
10	Fischer Tropsch synthesis using cobalt catalysts supported on graphene materials: a systematic review. 2023 , 49, 2025-2052	О
9	Effect of adding highly reduced graphene oxide (rGO) nanosheets based nanomaterial on cement composites. 2023 ,	O
8	Recent Advances of Capacitive Sensors: Materials, Microstructure Designs, Applications, and Opportunities.	О
7	Ternary structured magnesium cobalt oxide/graphene/polycarbazole nanohybrids for high performance electrochemical supercapacitors. 2023 , 6, 399-408	O
6	Surface Functionalization of (Pyrolytic) CarbonAn Overview. 2023 , 9, 38	О
5	Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid with a Highly Selective and Sensitive Reduced Graphene Oxide/Polypyrrole-Platinum Nanocomposite Modified Electrochemical Sensor. 2023 , 142402	O
4	Improving Safety and Efficiency in Graphene Oxide Production Technology. 2023,	O
3	Eco-friendly synthesis of graphene oxidepalladium nanohybrids. 2023 , 106007	O

Enhanced Thermal Conductivity of Phase Change Microcapsules Based on Boron Nitride/Graphene Oxide Composite Sheets. **2023**, 5, 3835-3847

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The potential of functionalized graphene-based composites for removing heavy metals and organic pollutants. **2023**, 53, 103809

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